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GENERAL ENFORCEMENT 8.0

8.1.2 PRP Specific Info and Correspondence

USAir Group, Inc.

0000026038

New York State Department of Environmental Conservation Division of Environmental Enforcement Onondaga Lake Unit 50 Wolf Road Room 410A Albany, New York 12233-5550



Telephone: (518) 457-7821

Fax: (518) 457-7819 (not for service of process)

June 24, 1996

Mr. John Trendowski C & S Engineering 1099 Airport Blvd. North Syracuse, NY 13212

RE: CERCLA §104(e) Joint Request: US Air

Dear John:

This correspondence summarizes our June 24, 1996 phone call, regarding the above referenced matter. That conversation addressed US Air's answer to question 2 of the supplemental \$104(e) response, dated March 6, 1996. Pursuant to that phone conversation it is the Department's understanding that:

-US Air did not generate a Work Plan or Final Report for the "one time airport cleanup" referenced in US Air's original §104(e) response, dated June 1, 1995.

-US Air discovered drums of an unknown origin and took the responsibility for characterizing and disposing of the drums.

-there was no release to the environment from these drums.

-US Air's March 6, 1996 response contained the characterizations and waste manifests for the drum disposal.

-US Air's annual report to the Department noted the cleanup.

-US Air's use of the word "monitoring", in response to question 2 of the supplemental request, referred to the characterization of the drums and no additional long term monitoring occurred.

If your understanding of this matter differs from this correspondence please contact the Department. Thank you.

Sincerely Yours,

tott busfalle

Scott Crisafulli, Esq. Onondaga Lake Unit

bcc: A Peterson, DER
(H. King, USEPAREG2)

The Victory of the State of the

USAir

Pittsburgh International Airport P.O. Box 12346 Pittsburgh, PA 15231-0346

March 6, 1996

Mr. William G. Little
New York State Department of
Environmental Conservation
50 Wolf Road - Room 400
Albany, New York 12233-5550

RE: USEPA/NYSDEC Joint Request for Information

USAir Syracuse Operations (USAir Project #95-210)

File: 323.002.002

Dear Mr. Little:

In response to the EPA/DEC Joint Request for Information regarding operations at Hancock International Airport, USAir has prepared this response to the information requested in your letter received on January 10, 1996. The responses are based on information available at the date of this response. If additional information becomes available, it will be forwarded to you.

If you have any questions regarding this submittal, please call me.

Sincerely,

Carol J. Vukmanic, Manager Environmental Programs

CJV/gma Enclosure

cc: M. Roye

S. Pusateri

J. Wright ► File 95-210

C & S Engineers, Inc.

H. King (USEPA)

TAMs Consultants, Inc.

USAir Group, Inc. EPA ID #NYD 00824581

RESPONSES TO

JOINT REQUEST FOR INFORMATION

March, 1996

USAir Group, Inc. Hancock International Airport North Syracuse, New York 13212

RESPONSES TO JOINT REQUEST FOR INFORMATION

USAir Activities at Hancock International Airport EPA ID# NYD000824581

In response to the United States Environmental Protection Agency (USEPA) and New York State Department of Environmental Conservation (NYSDEC) Joint Request for Supplemental Information dated January 4, 1996 and received on January 10, 1996, this submittal has been developed to address your requests. The responses are based on information available at the date of preparation. Should additional information become available regarding this submittal, the information will be provided to USEPA/NYSDEC under separate cover.

The responses in this submittal correspond to the items within the EPA/DEC Joint Request for Information dated January 4, 1996. The bold text is a reprint of the items requested by USEPA/NYSDEC.

1. In response to question 9 of the joint request, USAir indicated that a closure operation was performed for the Joint USAir/American Airlines fuel farm. Please provide a description of the closure activities and any available reports and analytical data (for waste and environmental sampling), including the closure workplan and final report prepared for this operation.

USAir and American Airlines operated adjoining fuel farms. USAir closed its portion of the fuel facility in January, 1989 by removing the underground tanks and the impacted soil. Maross Construction, the general contractor for USAir, contracted Domermuth Environmental Services to dispose of the impacted soils. According to information provided by Maross Construction, 2936 tons of soil were landfilled off-site during the project. In addition, 1,150 gallons of wash water containing oil was disposed of during the course of the project.

According to Maross Construction's letter to the Town of DeWitt dated February 2, 1989, the removal of the underground tank and impacted soil as well as backfilling the area with topsoil was completed by that date. A copy of the letter is enclosed in Attachment 1. At the time of preparation of this response, USAir was unable to

locate any formal workplan or report regarding this project. According to a NYSDEC letter to American Airlines dated February 2, 1989, "US Air has removed their underground fuel storage tanks. A considerable amount of contaminated soil was also removed. There appeared to be no major surprises during their portion of the clean-up." A copy of a NYSDEC letter dated February 2, 1989 referring to completion of the USAir portion of the closure is provided in Attachment 1.

American Airlines completed the closure of its fuel farm after USAir. On-site biological landfarming was utilized by Waste Stream Technology to remediate impacted soil. According to an August 5, 1993 letter from NYSDEC to Waste Stream Technology, the soil reached the soil guidance cleanup goals indicated in STARS Memo #1. The remediated soil was to remain on the airport property. A copy of the August 5, 1993 letter is also provided in Attachment 1.

2. The same response references a "one time airport cleanup" completed by USAir which consisted of "monitoring and disposal of a number of drums of unknown material." Please indicate the type of monitoring that occurred and provide a description of the cleanup activities and any available analytical data. Kindly include the cleanup workplan and the final report prepared for this operation.

The one time airport cleanup was initiated based on USAir discovering drums of material near its terminal facilities in the Spring of 1994. The generator or origin of the material is unknown. USAir contracted with Clean Harbors Environmental Services to characterize the material for disposal purposes. Waste material profiles for the material have been included in Attachment 2.

Clean Harbors disposed of this material in May, 1994 in accordance with Federal and State regulations. Copies of the manifests, which were included in our initial submittal, are also provided in Attachment 2.

3. In conjunction with response number 9, Figure 2 of the Spill Prevention Control and Countermeasure Plan shows monitoring wells. Please provide any available groundwater data for samples collected from these wells. In addition, please provide any available analytical data regarding the Airport's stormwater outfalls.

Tables 1, 2, 3, and 4 summarize the available analytical data for sampling collected at monitoring wells MW-1, MW-2, MW-3, and MW-4, respectively, at the time of preparation of this submittal. Maxim Technologies, Inc. (formerly Huntingdon Engineering and Environmental) samples these monitoring wells on an annual basis. Samples taken from the monitoring wells are analyzed for purgeable aromatics by EPA Method 602 and petroleum products in water by NYSDOH Method 310.13. Based on the analytical results, no parameter was detected above analytical detection limits in the monitoring wells. A copy of the laboratory analytical results is provided in Attachment 3.

USAir has not conducted storm water monitoring at the Hancock International Airport. The results of any storm water monitoring completed at the airport, which would include contributions of other users, would have to be obtained from the City of Syracuse.

4. Pursuant to question 13 of the joint request, please provide a copy of any Onondaga County Department of Drainage and Sanitation Industrial Wastewater Discharge permit possessed by USAir.

According to Onondaga County Department of Drainage and Sanitation (OCDDS) correspondence dated March 5, 1996, USAir does not need a permit from OCDDS in order to discharge to the sanitary sewer system. A copy of the correspondence is provided in Attachment 4.

TABLES

TABLE 1
HUNTINGDON ENGINEERING AND ENVIRONMENTAL
MONITORING DATA SUMMARY
MW-1

PARAMETERS	UNITS	1991	1993	1994	1995
NYSDOH METHOD 310.13					
Gasoline	UG/L	ND	ND	ND	< 100
Kerosene	UG/L	< 100	< 100	< 100	< 100
Fuel Oils	UG/L	<100	< 100	< 100	< 100
Lube Oils	UG/L	ND	ND	ND	< 100
USEPA METHOD 602					
Benzene	UG/L	< 0.50	< 0.50	< 0.50	<1
Toluene	UG/L	< 0.50	< 0.50	< 0.50	< 1 ⁻
Ethylbenzene	UG/L	< 0.50	< 0.50	< 0.50	<1
m/p Xylene	UG/L			< 1.0	<1
o-Xylene	UG/L			< 0.50	<1
Total Xylenes	UG/L	<1.0	< 1.0		
Chlorobenzene	UG/L		< 0.50		<1
1,2-Dichlorobenzene	UG/L		< 0.50		<1
1,3-Dichlorobenzene	UG/L		< 0.50		<1
1,4-Dichlorobenzene	UG/L		< 1.0		<1

TABLE 2
HUNTINGDON ENGINEERING AND ENVIRONMENTAL
MONITORING DATA SUMMARY
MW-2

PARAMETERS	UNITS	1991	1993	1994	1995
NYSDOH METHOD 310.13					
Gasoline	UG/L .	ND	ND	ND	< 100
Kerosene	UG/L	< 100	< 100	< 100	< 100
Fuel Oils	UG/L .	< 100	< 100	< 100	< 100
Lube Oils	UG/L	ND	ND	ND	< 100
USEPA METHOD 602					
Benzene	UG/L	< 0.50	< 0.50	< 0.50	<1
Toluene	UG/L	< 0.50	< 0.50	< 0.50	<1
Ethylbenzene	UG/L	< 0.50	< 0.50	< 0.50	<1
m/p Xylene	UG/L			< 1.0	<1
o-Xylene	UG/L			< 0.50	<1
Total Xylenes	· UG/L	<1.0	<1.0		
Chlorobenzene	UG/L		< 0.50		<1
1,2-Dichlorobenzene	UG/L		< 0.50		<1
1,3-Dichlorobenzene	UG/L		< 0.50		<1
1,4-Dichlorobenzene	UG/L		<1.0		<1

TABLE 3 .
HUNTINGDON ENGINEERING AND ENVIRONMENTAL
MONITORING DATA SUMMARY
MW-3

PARAMETERS	UNITS	1991	1993	1994	1995
NYSDOH METHOD 310.13					
Gasoline	UG/L	ND	ND	ND	< 100
Kerosene	UG/L	< 100	< 100	< 100	< 100
Fuel Oils	UG/L	< 100	< 100	< 100	< 100
Lube Oils	UG/L	ND	ND	ND	< 100
				• .	
USEPA METHOD 602					
Benzene	UG/L	< 0.50	< 0.50	< 0.50	<1
Toluene	UG/L	< 0.50	< 0.50	< 0.50	<1
Ethylbenzene	UG/L	< 0.50	< 0.50	< 0.50	<1
m/p Xylene	UG/L			<1.0	<1
o-Xylene	UG/L			< 0.50	<1
Total Xylenes	UG/L	< 1.0	< 1.0		
Chlorobenzene	UG/L	,	< 0.50		<1
1,2-Dichlorobenzene	UG/L		< 0.50	•	<1
1,3-Dichlorobenzene	UG/L		< 0.50	,	<1
1,4-Dichlorobenzene	UG/L		<1.0		<1

TABLE 4
HUNTINGDON ENGINEERING AND ENVIRONMENTAL
MONITORING DATA SUMMARY
MW-4

PARAMETER	UNITS	1991	1993	1994	1995
NYSDOH METHOD 310.13					
Gasoline	UG/L	ND	ND	ND	< 100
Kerosene	UG/L	< 100	< 100	< 100	< 100
Fuel Oils	UG/L	<100	< 100	< 100	< 100
Lube Oils	UG/L	ND	ND	ND	< 100
USEPA METHOD 602					
Benzene	UG/L	< 0.50	< 0.50	< 0.50	<1
Toluene	UG/L	< 0.50	< 0.50	< 0.50	< 1
Ethylbenzene	UG/L	< 0.50	< 0.50	< 0.50	<1
m/p Xylene	UG/L			< 1.0	<1
o-Xylene	UG/L	,		< 0.50	<1
Total Xylenes	UG/L	<1.0	< 1.0		
Chlorobenzene	UG/L		< 0.50		< 1
1,2-Dichlorobenzene	UG/L		< 0.50		<1
1,3-Dichlorobenzene	UG/L		< 0.50		<1
1,4-Dichlorobenzene	UG/L		< 1.0		<1

ATTACHMENT 1

MAROSS CONSTRUCTION LETTER - FEBRUARY 2, 1989 NYSDEC LETTER - FEBRUARY 2, 1989 NYSDEC LETTER - AUGUST 5, 1993

file > 85-0850

general contractor

_MAROSS CONSTRUCTION INC.

104 MARY LANE • NEDROW, NEW YORK 13120-0360 • PHONE: (315) 469-6816

February 2, 1989

FEB | 0 1923

Town of Dewitt 6565 Kinne Rd. Syracuse, New York 13214

Attn: James Conlin

Building Inspector

Dear Mr. Conlin:

RE: US Air Fuel Storage

Syracuse Hancock Airport

We have completed removal of all underground storage tanks, including related piping and backfilled the area with topsoil installed ready to be seeded in the Spring.

Sincerely,

martin Ossenberg /mu

Martin Ossenberg President

MO:nw

CC: Lee Bernier
US Air Aviation, Inc.
Pittsburgh, PA

Harry Werner
Dept. of Environmental Conservation
Syracuse, NY

Sartment of Environmental Conservation

Rouse, N.Y. 13204-2400 (315) 426-7519



Thomas C. Jorling Commissioner

áry 2. 1969

American Airlines F.O. Box 619616 Dallas Fort Worth Airport Dallas, Texas 75261-9616

Attention: Fredric J. Jacobson

Contract Manager

MD-3J58

Dear Mr. Jacobson:

I would like to take this opportunity to review the fuel facility status at Syracuse's Hancock Airport.

During our last meeting, October 1, 1987, we discussed several scenarios for the Syracuse fuel facility. One of the scenarios was to stop using the old facility and remove all underground storage tanks. Fresently, US Air has removed their underground fuel storage tanks. A considerable amount of contaminated soil was also removed. There present to be no major surprises during their portion of the cleanup.

American Airlines apparently is no longer using their portion of the facility, but the tanks remain underground. It is also my inderstanding that bids are currently being sought for this project. In order to assure that this project continues moving, I am requesting the following::

- 1. Within thirty days a date should be established for removing the fuel farm.
- 2. If the project does not continue moving and the tanks are left in place, the underground fuel storage tanks should be tightness tested according to Part 613.
- 3. If American Airlines does not establish a removal date within thirty days and the tanks have not been tested, this Department will activate the spill fund in order to assure proper cleanup. American Airlines will be held accountable for all costs incurred by New York State.

pease contact me at (315) 426-7519 if you have any questions regarding this matter.

3 hcerely,

Jarry Dabrner

larry D. Warner

smistant Spill Engineer

DW/cr

New York State Department of Environmental Conservation 615 Erie Blvd. W., Syracuse, NY 13204-2400

Thomas C. Jorling Commissioner

Region 7
Division of Spills Management (315) 426-7519

August 5, 1993

Waste Stream Technology Inc. 302 Grote Street Buffalo, New York 14207-2496

Attention: Frank Genek

RE: SPILL NO. 81-00459

Dear Mr. Genek:

On July 8, 1993, New York State DEC and Waste Stream Technology Inc. acquired split soil samples from the ongoing bioremediation project at Hancock Airport.

As required in STARS Memo #1, the analysis performed on the samples was Methods 8270 and 8021. Based on the results of these tests, it has been determined that the remaining soil has reached the soil guidance cleanup goals.

To complete the closure of this cleanup, please contact Ralph Napolitano at the Syracuse Airport (315) 454-3263 in order to discuss the soil's final disposition at the airport. The soil must however, remain on the airport property.

Thank you for persevering on this matter. Should any further problems arise, please contact me at (315) 426-7519.

Sincerely,

Harry D. aloner

Harry D. Warner Assistant Spill Engineer

HDW/cr c:airport.hw

cc: Ralph Napolitano

FILE COPY

ATTACHMENT 2

ONE TIME AIRPORT CLEANUP DOCUMENTATION
WASTE MATERIAL PROFILE SHEETS
HAZARDOUS WASTE MANIFESTS

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10:22 No.004 P.05

WASTE MATERIAL PROFILE SHEET

Page 1 of 2

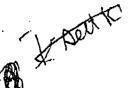
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Page 2 of 2

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D009	SELENIUM	1.0	
D011	SILVER	5.0	
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Page 1 of 2

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E. BALBR

WASTE MATERIAL PROFILE SHEET

(Please complete all areas, leave nothing blank)

05072

A. GENERAL INFORMATION	
GENERATOR USAY Inc.	BILL 10:
FACILITY ADDRESS HANNICACK PLESSEN SENVERED MUNICIPAL SUPPLIES 12	BILL TO ADDRESS
SIC NUMBER	CLEAN HARBORS CONTACT PERSON TO STATE AND ADDRESS OF THE STATE ADDRESS OF THE STATE AND ADDRESS OF THE STATE AND ADDRESS OF THE STATE AND ADDRESS OF THE STATE ADDRESS OF THE STATE AND ADDRESS OF THE STATE AND ADDRESS OF THE STATE ADDRESS OF THE STATE ADDRESS OF THE STATE
GENERATOR USEPA ID# NYDOW 724 581	CLEAN HARBORS SERVICE CENTER LOCATIONS TO US Z
	SAMPLE APPROVAL P.O. # WIO # 5'46918
GENERATOR STATE ID #	CUSTOMER CONTACT
TECHNICAL CONTACT S PHONE	CUSTOMER CONTACT'S PHONE
	OUSTOWER CONTROL
B. WASTE DESCRIPTION COMMON NAME FOR WASTE ACTOR 4	/フマ ソ
COMMON NAME FOR WASTE MANY ATTEREX 4	Product
C. PROPERTIES	
PH [] <2 [] 2-4	1 10-12.5 IS 12.5 ACTUAL
% TOC COD BTUS/POUND M COOD / % ASH	< 1 % SULFUR <1, COLOR DE KING
96 TOTAL CHLORINE SPECIFIC GRAVITY/DENSITY	ODOR OVITACION DE ACIDITY/ALKALINITY LIO
FLASHPOINT (°F)	100-139" (200° NONE
	> 95°
l e e e e e e e e e e e e e e e e e e e	
	NITHOUT FREE LIQUID R MULTILAYERED
17 THICK VISCOUS LIQUID [1] MONOL	
LJ LIQUID/SOLID MIXTURE (INDICATE %) % I HLE LIQUID	% SETTLED SOLIDS % TOTAL SUSPENDED SOLIDS
D. COMPOSITION	
/ / % %	· · · · · · · · · · · · · · · · · · ·
Formuldehode <u>44</u> %	<u></u>
<u>Color</u> 22 %	
Mily Allohol 45 %	<u> </u>
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E. DEPARTMENT OF TRANSPORTATION INFORMATION	- Lander
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E. DEPARTMENT OF TRANSPORTATION INFORMATION D.O.T. SHIPPING NAME FORMAL CLASS OF DIVISION. D.O.T. HAZARD CLASS OF DIVISION. UNINA II 27 LIG PACKING GROUP TIT	HAZARD ZONE RQ
E. DEPARTMENT OF TRANSPORTATION INFORMATION D.O.T. SHIPPING NAME FORMAL COME SHIPPING NAME FORMAL COME SHIPPING NAME PACKING GROUP THE PACKING GROUP F. SHIPMENT METHOD	HA7ARD ZONE RQ
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E. DEPARTMENT OF TRANSPORTATION INFORMATION D.O.T. SHIPPING NAME	HAZARD ZONE RQ 2005 SS -> 8500 GALS. DRUMS D CUBIC YAHDS D MONTH QUARTER D YEAR
E. DEPARTMENT OF TRANSPORTATION INFORMATION D.O.T. SHIPPING NAME	HAZARD ZONE RQ
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E. DEPARTMENT OF TRANSPORTATION INFORMATION D.O.T. SHIPPING NAME	HAZARD ZONE RQ 2005 SALS. DRUMS DEDICTION IN 40 CFR 268.2. UDGE? I YES NO HARGE STANDARDS? I YES NO
E. DEPARTMENT OF TRANSPORTATION INFORMATION D.O.T. SHIPPING NAME FORMATION. D.O.T. HAZARD CLASS OR DIVISION. UNINA # 2704 PACKING GROUP F. SHIPMENT METHOD BULK LIQUID BULK SOLID DHUM (SIZES) 1 OTHER (SPECIFY) G. ANTICIPATED VOLUME H. WASTE DISPOSAL STATUS USEPA HAZARDOUS WASTE YES WO USEPA HAZARDOUS WASTE NUMBER(S) IS THIS A RESTRICTED WASTE UNDER THE LAND BAN REGULATION THIS WASTE IS A WASTEWATER NON-WASTEWATER DOES THEATMENT OF THIS WASTE GENERATE A FOOG OR FOTO SLI IS THIS WASTE SUBJECT TO CATEGORICAL PRETREATMENT DISCI IF YES SPECIFY POINT SOURCE CATEGORY LISTED IN 40 CFR PAR	HATARD ZONE RQ
E. DEPARTMENT OF TRANSPORTATION INFORMATION D.O.T. SHIPPING NAME	HATARD ZONE RQ 28 SALS. DRUMS J CUBIC YAHDS MS? RIYFS NO PER USEPA DEFINITION, IN 40 CFR 268.2. UDGE? I YES NO HARGE STANDARDS? I YES NO RT 401. NESHAP RULLS? I YES NO
E. DEPARTMENT OF TRANSPORTATION INFORMATION D.O.T. SHIPPING NAME	HAZARD ZONE RQ 2000 SALS. DRUMS J CUBIC YAHDS MONTH QUARTER J YEAR NS? RIYFS NO PER USEPA DEFINITION, IN 40 CFR 268.2. UDGR? I I YFS NO HARGE STANDARDS? I YES NO HARGE STANDARDS? I YES NO YES NO YES NO YES NO
E. DEPARTMENT OF TRANSPORTATION INFORMATION D.O.T. SHIPPING NAME	HAZARD ZONE RQ
E. DEPARTMENT OF TRANSPORTATION INFORMATION D.O.T. SHIPPING NAME	HAZARD ZONE RQ SS SS ST ST ST ST ST ST ST S

STF	SED ON TESTING, INCLUDE ANALYTICAL RECOMPOUND	REGULATORY	CONCENTRATION (ppM) F	REPORTED AS
10.		LEVEL (ppM)	A TOLP	[] TOTA
TALS		• •	Bolow Rate of	
04 05	ARSENIC BARIUM	5.0 100.0	1. 4100	
06	CADMIUM	. 1.0		
07	CHROMIUM	5.0		
	CHROMIUM CR+6			
80	LEAD	5.0		
99	MERCURY	0.2		
10	SELENIUM	1.0 5.0	له	
11	SILVER	5.0	A CONTRACTOR OF THE PROPERTY O	
STICIC	ES AND HERBICIDES		IN TOLO	ATOTA
12	ENDHIN	.0.05	18 16 Replants	; ; 101%
13	LINDANÉ	0.4	134/16/	
14	METHOXYCHLOR	10.0		
15	TOXAFREIVE	0.5		
16	2,4-0	10.0		
17	2,4,5-TP (SILVEX)	1.0		
20	CHLORDANE	0.03		
31	HEPTACHLOR (AND ITS CPOXIDE)	0.008	ـــــــــــــــــــــــــــــــــ	
LATIL	e organic compounds	•	٠.	
_			* Tollowfex levels_	AFOT !!
8	BENZENE	0.5	- 12000 H. V. 101 .> -	
9	CARBON TETRACHLORIDE	0.5		
21 52	CHLOROBENZENE CHLOROFORM	100.0 6.0	_ · · · · · · · · · · · · · · · · · · ·	
 28	1,2-DICHLOROETHANE	0.5		
29	1,1-DICHLORQETHYLENE	0.7	and the same of th	
5	METHYL ETHYL KETONE	200.0		
5 9	TETRACHLOROETHYLENE	0.7		
0	TRICHLOROETHYLENF	0.5		
13	VINYL CHLORIDE	0.2		sa natura de celo el sus un constitu n
1-40	LATILE ORGANIC COMPOUNDS			
}			M TELEN IO. 1 J.	[TOTA
73	o-CRESOL	200.0	- Dillet War S	
24	m-CRESOL	200.0		
).	p-CRESOL (TOTAL)	200.0 200.0		
	1,4-DICHLOROBENZENE	7.5		
30	2,4-DINITROTOLUENE	0,13	A AL-MANTON MATERIAL CONTRACTOR OF THE PARTY	
<u>.</u>	HEXACHLOROBENZENE	0.13		
	HEXACHLOROBUTADIENE	0.5		
	HEXACHLOROETHANE	3.0		
<u>ē</u>	NITROBENZENE	2.0		
7	PENTACHLOROPHENOL .	100.0		
T)	PYRIDINE 2.4.5. TRICHI ORGANIENOI	5.0 400.0		
	2,4,5-TRICHLOROPHENOL 2,4,6-TRICHLOROPHENOL	400.0 2.0		
				<u> </u>
A	R COMPOUNDS (PPM)-	TOTAL CYANIDE	OUT HOCE	() November
	UM COBALT	AMENABLE CYAN	CD SELECTION OF THE OWNER OWNER OF THE OWNER	A
LIU		F001-F005 SOLVE		W. Wa
HEH	ZINC ZINC	SULFIDES	Va	· 4 ···········
1	LE STATUS			
	PHESENTATIVE SAMPLE HAS BEEN SUPPLI	ED YES INO		
	FIC GENERATOR REQUEST FOR DISPOSAL			

GENERATOR'S CERTIFICATION

'y certify that all information submitted in this and attached documents is correct to the bost of my knowledge. I also certify that any submitted are representative of the actual waste.

CENTRAL PROFILES ID: 617-356-02/2	
Charte Arecardo : Cegina nois	Page 1 of 2
WASTE MATERIAL PROFILE SHEET	,
PA PR SG 5117 (Please complete all areas, leave nothing blank)	
A. GENERAL INFORMATION	
FACILITY ADDRESS HANDERCE BILL TO ADDRESS BILL TO ADDRESS	
Manhouse Delt Stopa Saparest N-1/3212	
SIC NUMBER Y512-/ CLEAN HARBORS CONTACT PERSON	I. State
GENERATOR USEPA ID# CLEAN HARBORS SERVICE CENTER LOCAL GENERATOR STATE ID # SAMPLE APPROVAL P.O. #	TION SINGUES
TECHNICAL CONTACT CUSTOMER CONTACT	
TECHNICAL CONTACT'S PHONE (275) 457 - 1655 CUSTOMER CONTACT'S PHONE	414110-1-00-00-00-00-00-00-00-00-00-00-00-0
B. WASTE DESCRIPTION 101 And 5 1 1 1 1 1	
PROCESS GENERATING THE WASTE ANCY AT MANY C VINCIN MIXES POR	exc.f.s
C. PROPERTIES	3013
PH $\square < 2$ $\square $	ACTUAL
	COLOR CIVIL
% TOTAL CHLORINE SPECIFIC GRAVITY/DENSITY ODOR OF SHARE 96 ACIDITY PROPERTY 140-2009 140-2009	Y/ALKALINITY <u>AL LA</u> 200° I NONE
BOILING POINT (°F) [] < OR - 95° [] > 95°	TO NOME
PHYSICAL STATE J SOLID WITHOUT FREE LIQUID	
HIT LIQUID WITH NO SOLIDS () POWDER	MULTILAYERED
THICK VISCOUS LIQUID (MONOLITH () HOURS FOR THE COURSE OF THE COURSE	I HILAYERED
LI LIQUID/SOLID MIXTURE (INDICATE %)/O.O % FREE LIQUID % SETTLED SOLIDS % TOTA	II. SUSPENDED SOLIDS
D. COMPOSITION Keroserve 40-45 %	9 6
Jetfue! #/ 15-20 %	%
- Paint Thinner (Trichloraetylace) 20-35 %	% <u></u>
Water 0-5 %	% D
%	
MSDS's ATTACHED TYES IN NO	
E. DEPARTMENT OF TRANSPORTATION INFORMATION D.O.T. SHIPPING NAME WASK Flammable Light NO. S.	ber
D.O.T. SHIPPING NAME VON SIE PROMINDIE LIFABOURS	
(UNNA # 1993 PACKING GROUP II HAZARD ZONE	RO E\
F. SHIPMENT METHOD	
BULK LIQUID BULK SOLID ORUM (SIZES) C.5	
G. ANTICIPATED VOLUME	o
G. ANTICIPATED VOLUME	L. CUBIC YARDS
FREQUENCY , CONETIME LI WEEK LI MONTH LI QUARTER	
H. WASTE DISPOSAL STATUS	
USEPA HAZARDOUS WASTE NUMBER(S)	
USEPA HAZARDOUS WASTE NUMBER(S)	
STATE HAZARDOUS WASTE TO YES TO NO DOCL	
STATE HAZARDOUS WASTE NUMBER(S)	
THIS WASTE IS A 🗔 WASTEWATER 💹 NON-WASTFWATER PER USEPA DEFINITION, IN 40 CFH 268.2.	
DOES TREATMENT OF THIS WASTE GENERATE A FOOR OR FO19 SLUDGE? ::! YES VI NO IS THIS WASTE SUBJECT TO CATEGORICAL PRETREATMENT DISCHARGE STANDARDS? !! YES VI NO	
IF YES SPECIFY POINT SOURCE CATEGORY LISTED IN 40 CFR PART 401.	. 4444
DOES THE WASTE REQUIRE NOTIFICATION UNDER THE BENZENE NESHAP RULES?	
I. OTHER HAZARDS YES NO YES NO	YES NO
OXIDIZER I NECTIOUS, ETIOLOGICAL AGENT, PATHOGEN, I I MERBICIDE	
BADIOACTIVE II II CARCINOGENS LI II PYROPHORIC	
DIOXIN () MUTIGEN REPRODUCTIVE TOXINS AHOCK SENS	ITIVE 4

CHL 102 (2/2)

ID:617-356-8272 **CleanHarbors**

WASTE MATERIAL PROFILE SHEET

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Page 1 of 2

(Please complete all are	las, leave nothing blank)
A. GENERAL INFORMATION GENERATOR US HIV GRAFING. FACILITY ADDRESS Mandre C DEPT Server R. ALMARGE THAT AN FRICK SYRWAGE NY 13212 SIC NUMBER GENERATOR USEPA ID# NYD 000 724551 CENERATOR STATE ID # TECHNICAL CONTACT TECHNICAL CONTACT'S PHON (315) 455-1655 B. WASTE DESCRIPTION COMMON NAME FOR WASTE PROCESS GENERATING THE WASTE VISA PROBUCT	BILL TO: BILL TO: BILL TO ADDRESS CLEAN HARBORS CONTACT PERSON CLEAN HARBORS SERVICE CENTER LOCATION SAMPLE APPROVAL P.O. #
C. PROPERTIES	
PH 1 <2	10-12.5
% TOTAL CHILDRING TO BTUS/POUND & SOOO % ASH	% SULFUR 41 COLOR Clear
% TOTAL CHLORINE SPECIFIC GRAVITY/DENSITY C	
BOILING POINT (°F)	
· ·	COUDI FREE LIQUID
ATLIQUID WITH NO SOLIDS . ! POWDER	
THICK VISCOUS LIQUID THICK VISCOUS LIQUID	i : BILAYERED
I I LIQUID/SOLID MIXTURE (INDICATE %) % FREE LIQUID	% SETTLED SOLIDS % TOTAL SUSPENDED SOLIDS
D. COMPOSITION White BO-85 % FOUND SOUTH SERVED 65-20 %	ዓ ዓኅ
9/6	- %
90	
MSDS's ATTACHED ☐ YES 'X NO	%
E. DEPARTMENT OF TRANSPORTATION INFORMATION	2/2
D.O.T. SHIPPING NAME NON HEZ NOW HES (Sou)	12 C (TEME!)
UN/NA # PACKING GROUP	HAZARD ZONE RQ
F. SHIPMENT METHOD .	
T BULK LIQUID ET BULK SOLID X DRUM (SIZES) S	<u>5</u>
G. ANTICIPATED VOLUME	
FREQUENCY , SONE TIME 17 WEEK	ALS. TOUBIC YARDS TOUBIC YARDS LEMONTH LEQUARTER LEYEAR
H. WASTE DISPOSAL STATUS USEPA HAZARDOUS WASTE NUMBER(S)	· · · · · · · · · · · · · · · · · · ·
DOES TREATMENT OF THIS WASTE GENERALE A F006 OR F018 SILU IS THIS WASTE SUBJECT TO CATEGORICAL PRETREATMENT DISCHOLIF YES SPECIFY POINT SOURCE CATEGORY LISTED IN 40 CFR PART	IS? LIYES XNO PER USEPA DEFINITION, IN 40 CER 268.2. IDGE? LIYES XNO ARGE STANDARDS? LIYES XNO 1 401.
DOES THE WASTE REQUIRE NOTIFICATION UNDER THE BENZENE N	IFSHAP RULES? YES LXNO
I. OTHER HAZARDS	. VES. NO. VES. NO.
OXIDIZER OXIDIZER WATER REACTIVE RADIOACTIVE DIOXIN OXIDIZER INFECTIOUS, ETIOLOGICAL A INF	EXPLOSIVE ' ' ' '

Profile Number U 28318

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FOR CLEAN HARBORS USE ONLY

Page 2 of 2

NASTE NO.	COMPOUND	HEGULATORY I.EVEL (ppM)	CONCENTRATION (P)	oM) REPORTED AS LI TOTAL
METALS			ad D. 1	
2004	ARSENIC	5.0	Below Replace 15	
2005	BARIUM	100.0		
2006	CADMIUM	1.0		
2007	CHROMIUM	5.0		
	CHROMIUM CR+6		· · · · · · · · · · · · · · · · · · ·	• •
2008	LEAD	5.0		
2009	MERCURY	0.2		
2010 2011	SELENIUM SILVER	1.0 5.0	· <u>1</u>	
	·	3.0		
PESTICID	ES AND HERBICIDES		NO TOLE	1 J TOTAL
J012	ENDRIN	0.02	THE TELF WELL WELL	ET TOTAL
0012	LINDANE	0.02	- transform	***************************************
0013 0014	METHOXYCHLOR	10.0	•	
0015	TOXAPHENE	0.5		
0016	2.4 D			
3017	2,4,5-TP (SILVEX)	1.0		
0020	CHLORDANE	0.03		
0031	HEPTACHLOR (AND ITS EPOXIDE)	0.008		
OLATILE	E ORGANIC COMPOUNDS		, , , , , , , , , , , , , , , , , , , 	
2010	MF4.77F4.F	,	IX JELP O.L. IC	IATOTAL
2018	BENZENE	0.5	Elmbour's_	
0019	CARBON TETRACHLORIDE	0.5	Maria de las comences de la companya	••
0021	CHLOROBENZENE CHI OROFORM	· 100.0 6.0		
0022 0028		0.5	*** ****** **** * · · ·	
2028 2029	1,2-DICHLOROETHANE 1,1-DICHLOROETHYLENE	0.7		
2025	METHYL ETHYL KETONE	200.0	į –	
2039	TETRACHLOROETHYLENE	0.7		A A A A A A A A A A A A A A A A A A A
0040	TRICHLOROETHYLENE	0.5		
0043	VINYL CHLORIDE	0.2		**************************************
SEMI-VOL	ATILE ORGANIC COMPOUNDS		M	(** -0***
0023	o-CRESOL	200.0	XI JCLP ON LAND	TOTAL
0023 0024	m-CRESOL	200.0	- Starting Co.	
0025 0025	p-CRESOL	200.0		•
0026	CRESOL (TOTAL)	200.0		
027	1,4-DICHLOROBENZENE	7.5		•
0030	2,4-DINITROTOLUENE	0.13	<u> </u>	
032	HEXACHLOROBENZENE	0.13		
1033	HEXACHLOROBUTADIENE	0.5		
034	HEXACHLOROETHANE	3.0		
036	NITROBENZENE	2.0		
037	PENTACHLOROPHENOL	100.0		
038	PYRIDINE	5.0	{	
2041	2,4,5-TRICHLOROPHENOL	400.0		
042	2,4,6-TRICHLOROPHENOL	2.0		
K. OTHEF AMMONIA	COMPOUNDS (PPM)	TOTAL CYANIDE	ONS POTELY HOCS	Calm Date
BERYLLIC	۱۱۱۷ مان المان	AMENABLE CYAN		
HALLIUN	71 - 7 1	F001-F005 SOLVE		TORS
OPPER	O ZINC	SULFIDES	4	
, SAMPL	E STATUS PRESENTATIVE SAMPLE HAS BEEN SUPPLIED	ATYES LINO		
	FIC GENERATOR REQUEST FOR DISPOSAL AN			
	. TO GENERALOR REGUEST FOR DIGITORE AL		and the second s	

RAL PROFILES

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FEB 14'96

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Page 1 of 2

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FACILITY ADDRESS FIGURE OF THE PORT SYMMEN ANY	BILL TO: S-1 BILL TO ADDRESS
GENERATOR USEPA ID# ATYO GOO 721 561 GENERATOR STATE ID #	CLEAN HARBORS CONTACT PERSON
B. WASTE DESCRIPTION COMMON NAME FOR WASTE Bathroom Office PROCESS GENERATING THE WASTE Product U	uuse L
% TOTAL CHLORINE \$\langle 10\$ SPECIFIC GRAVITY/DENSITY FLASHPOINT (°F)	0-139° [] 140-200° [] >200° PT NONE >95° HOUT FREE LIQUID
LIQUID WITH NO SOLIDS POWDER THICK VISCOUS LIQUID MONOLITH LIQUID/SOLID MIXTURE (INDICATE %) 46 FREE LIQUID D. COMPOSITION	· · · · · · · · · · · · · · · · · · ·
Colorin, Alent Coulomy Chame Copto 0:5 % Sca 2 Aun Hez) All that MSDS'S ATTACHED U YES XNO	% Profile Num
E. DEPARTMENT OF TRANSPORTATION INFORMATION D.O.T. SHIPPING NAME NUN HAZARDOUT, NON-DOT D.O.T. HAZARD CLASS OR DIVISION 1 UNNA 3083 PACKING GROUP 11	PEGLICATED Hazardous was te (includitosse (chromina)
F. SHIPMENT METHOD [] BULK LIQUID	832 22
G. ANTICIPATED VOLUME 2	
H. WASTE DISPOSAL STATUS USEPA HAZARDOUS WASTE NUMBER(S)	☐ MONTH ☐ QUARTER ☐ YEAR
STATE HAZARDOUS WASTE (LYES NO CONTINUED THE STATE HAZARDOUS WASTE NUMBER(S) IS THIS A RESTRICTED WASTE UNDER THE LAND BAN REGULATIONS. THIS WASTE IS A CONSTRUCTED WASTEWATER OF NON-WASTEWATER PROPERTY OF THIS WASTE GENERATE A FOOG OR FO19 SLUDGES THE WASTE SUBJECT TO CATEGORICAL PRETREATMENT DISCHARGE YES SPECIFY POINT SOURCE CATEGORY LISTED IN 40 CFR PART 4	ER USEPA DEFINITION, IN 40 OFR 268.2. SE? 13 YES 17 NO GE STANDARDS? 13 YES NO NO
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FEB 14'96 10:28 No .004 P.14 Page ? of 2

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DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF HAZARDOUS WASTE

One Winter Street Boston, Massachusetts 02108

JOR # CHEPIS

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10/10 Och11	100Th	Jak No	Man 7	0300194
19 Dic repancy Indication Space				
the Lackty Ormer or Operator: Certi	fication of receipt of hazardous materials co	overed by this manifest except	as noted in item 19.	Date
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A Form 3700 Profits Trans a Previous editions	problem permits for an	d will accept th	é waste the ger	perator is shippi

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DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF HAZARDOUS WASTE

One Winter Street Boston, Massachusetts 02108

JoB # 546918

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UNITORM HAZARDOUS L. General ENGINEERS	Manifest Document No Z35Z3		ma in the charted from quired by Legislat law
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11.) 3.x85 c. (1.) 4	hazard code.) X 5 5 1	K. Handling Cortes for V	resides Listed Above 5 0 2
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the Citity of the energy and are of regified, packed, unriked, and labeled, and are in all researching to the dependent of the interest and are maked anyequations. If the administration of grammater is Castiff that I have all program in place to reduce the volumed to the open of the energy dependent of the program storage, or disposal currently than Office or a considerant type program, I have produce agost faith effort to minimize my	espects in proper condition for transpo me and toxicity of waste governed to the available to me which minimizes the pro-	it by highway o degree I have determine the bo- sont and feture threat to brimen b	ratify proof they propagate
Conset Typed Klyma	Signature Z	1)34/	Data Month Day Year
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16. Discrepancy Indication Space			·
ार - िवटणेषु Özmer ल Operator, Certification of receipt of hazardous materials	covered by this manifest except	as noted in item 19.	Date

Clean Harbors has appropriate permits for and will accept the waste the generator is shipping





DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF HAZARDOUS WASTE

One Winter Street Boston, Massachusetts 02108 Please print or type. (Form designed for use on elite (12-pitch) typewriter Manifest Document No. UNIFORM HAZARDOUS WASTE MANIFEST CHARL AMOREMICARDORATED MAINTENANCE DEPARTMENT HANCOCK INTERNATIONAL AIRPORT SYNACUSE, NY 13212 Mandrie Chang 215-155; 1653 3 Stractise, NY 13212 H 723524 US EPA ID NUMBER 322250 STANK HAPBORS ENV.SERVICES.INC. 111AD 0393 22250 Transporter's Phone 617 8451800 :E < Ado > 695 QUINCY AVE 1913 PERFE, MA 02184 MAD053452637 State Facility's ID Facility's Phone (617) (849-1807) ~i3 12 Contamers Total Limit Quantity. WillVo FACILITY MAILS S. NON D.O.T. REGULATED, NONE, NA NONE TO GENERATOR is for Philopolis Ested Above unclude physical state and hazard code.) STERO AS A SECOND TO THE PURE VISIT OF THE VIEW OF THE PARTY OF THE PA 1-800-OIL-TANK NY DATE MANDEING CODE 19 Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19. Date Signafure unicd:Typerf Name

end than property has appropriate permits for and will accept the waste the generator is shipping the permits for an accept the waste the generator is shipping the permits for an accept the waste the generator is shipping the permits for an accept the waste the generator is shipping the permits for an accept the waste the generator is shipping that the permits for an accept the waste the generator is shipping that the permits for an accept the waste the generator is shipping that the permits for a company that the permits

ATTACHMENT 3

MONITORING WELL DATA LABORATORY ANALYTICAL RESULTS

HUNTINGDON ANALYTICAL SERVICES ENVIRONMENTAL

METHOD 602 PURGEABLE AROMATICS

SAMPLE IDENTIFICATION :	METHOD BLANK	MW-1	M₩-2	M₩-3	MM-4	0-14	BLAN
HAS SAMPLE #91-1383-		001	002	003	004	005	006
DATE ANALYZED:	9-10-91	9-10-91	9-10-91	9-10-91	9-10-91	9-10-91	9-10-9
COMPOUND	RESULT ug/l	RESULT ug/l	RESULT ug/l	RESULT ug/l	RESULT ug/l	RESULT ug/l	RESUL [سg
BENZENE TOLUENE ETHYL BENZENE	- <0.50 - <0.50 - <0.50	<0.50 <0.50 <0.50	<0.50 <0.50 <0.50	<0.50 <0.50 <0.50	(0.50 (0.50 (0.50	0.82 1.9 <0.50	(0.5) (0.5) (0.5)
TOTAL XYLENES	- (i.0	<1.0	<1.0	<1.0	<1.0	1.5	<1.0

HUNTINGDON ANALYTICAL SERVICES ENVIRONMENTAL

METHOD DOH 310-13 PETROLEUM PRODUCTS IN WATER

SAMPLE IDENTIFICATION : 1	METHOD BLANK	MW-1	MM-3	MW-4
HAS SAMPLE #91-1383-		001	003	004
DATE ANALYZED:	9-12-91	9-12-91	9-12-91	9-12-91
COMPOUND	RESULT ug/L	RESULT	RESULT ug/L	RESULT ug/L
SASOLINE KEROSENE FUEL OILS LUBE OIL	ND <100 <100 ND	ND <100 <100 ND	ND <100 <100 ND	. ND <100 <100 ND

ND = NONE DETECTED

ENVIRONMENTAL ANALYTICAL REPORT

REPORT NUMBER: 93-0684

PREPARED FOR:

EMPIRE SOILS INVESTIGATIONS, INC. 105 CORONA AVENUE GROTON, NEW YORK 13073

RE: GTA-93-43; U.S. AIR

PREPARED BY:

HUNTINGDON ANALYTICAL SERVICES
DIVISION OF EMPIRE SOILS INVESTIGATIONS, INC.
P.O. BOX 250
MIDDLEPORT, NEW YORK 14105
TELEPHONE: 716/735-3400; FAX: 716/735-3653

JUNE 22, 1993

PAGE 1



METHOD 602 PURGEABLE AROMATICS

SAMPLE IDENTIFICATION:	OIL WATER	MW-I	MW-2	MW-3	MW→	BLANK
HAS SAMPLE #930684	01	02 .	03	04	05	06
ANALYTE	RESULT ug/l	RESULT ug/l	RESULT ug/l	RESULT ug/l	RESULT ug/l	RESULT ug/l
BENZENE	- 20	<0.50	<0.50	<0.50	<0.50	<0.50
TOLUENE	- 130	<0.50	<0.50	<0.50	<0.50	<0.50
ETHYL BENZENE	- 17	<0.50	<0.50	< 0.50	<0.50	<0.50
TOTAL XYLENES	- 610	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
CHLOROBENZENE	- NR	<0.50	<0.50	<0.50	< 0.50	0ک0>
1,4-DICHLOROBENZENE	- NR	<0.50	<0.50	<0.50	<0.50	<0.50
1,3-DICHLOROBENZENE -	- NR	<0.50	<0.50	<0.50	<0.50	<0.50
1,2-DICHLOROBENZENE	- NR	<1.0	< 1.0	<1.0	<1.0	< 1.0
DATE EXTRACTED:	5-14-93	5-14-93	5-14-93	5-14-93	5- 14-93	5-14-93
DATE ANALYZED:	5-14-93	5-14-93	5-14-93	5-14-93	5-14-93	5-14-93

NOTE: NR = NOT REQUIRED

METHOD 602 PURGEABLE AROMATICS

METHOD SAMPLE IDENTIFICATION:

BLANK

IIAS SAMPLE #930684

ANALYTE	RESULT ug/l	MDL ug/l
BENZENE	<0.50	. 0.50
TOLUENE	<0.50	. 0.50
ETHYL BENZENE ————	<0.50	0ڪ0
TOTAL XYLENES ————	< 1.0	1.0
CIILOROBENZENE	<0.50	0.50
1,4-DICHLOROBENZENE ———	< 0.50	0.50
1,3-DICHLOROBENZENE	<0.50.	0.50
1,2-DICHLOROBENZENE	< 1.0	1.0

DATE EXTRACTED: 5-14-93 DATE ANALYZED: 5-14-93

NOTE: NR = NOT REQUIRED

METHOD DOH 310-13 PETROLEUM PRODUCTS IN WATER

SAMPLE IDENTIFICATION	MW-I	MW-2	MW-3	MW-4	BLANK	METHOD BLANK	
HAS SAMPLE #930684	02	03	04	05	06	-	
ANALYTE	RESULT	RESULT	RESULT	RESULT	RESULT	RESULT	MDL
	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
GASOLINE KEROSENE FUEL OILS LUBE OIL	ND	ND	ND	ND	ND	ND	ND
	<100	<100	<100	<100	<100	<100	<100
	<100	<100	<100	<100	<100	<100	<100
	ND	ND	ND	ND	ND	ND	ND
DATE EXTRACTED:	5-27-93	5-27-93	5-27-93	5-27-93	5-27-93	5-27-93	
DATE ANALYZED:	5-28-93	5-28-93	5-28-93	5-28-93	5-28-93	5-28-93	

ND-NONE DETECTED

Page of

EMPIRE SOILS INVESTIGATIONS, INC. HUNTINGDON ANALYTICAL SERVICES

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Address:		Coron			P	roject Sit	e/Name:		LS.	Au	2			P.O. #		
Contact: Phone:	372	tanial 45 Ziea 858-0-1	itek	EAY.	-	ampler's	Signature	: u ti	<u>x</u>					HAS Ref	. No.: 93	0684
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ENVIRONMENTAL ANALYTICAL REPORT

REPORT NUMBER: 94-1003

PREPARED FOR:

HUNTINGDON ENGINEERING & ENVIRONMENTAL 105 CORONA AVENUE GROTON, NEW YORK 13073

RE: U.S. AIR (GTA-93-43)

PREPARED BY:

HUNTINGDON ANALYTICAL SERVICES
P.O. BOX 250
MIDDLEPORT, NEW YORK 14105
TELEPHONE: 716/735-3400; FAX: 716/735-3653

JULY 21, 1994

HUNTINGDON ANALYTICAL SERVICES ELAP #10833 ENVIRONMENTAL REPORT

REPORT NUMBER: 94-1003

STATEMENT OF WORK PERFORMED

I HEREBY DECLARE THAT THE WORK WAS PERFORMED UNDER MY SUPERVISION ACCORDING TO THE PROCEDURES OUTLINED BY THE FOLLOWING REFERENCES AND THAT THIS REPORT. PROVIDES A CORRECT AND FAITHFUL RECORD OF THE RESULTS OBTAINED.

- 40 CFR PART 136, "GUIDELINES ESTABLISHING TEST PROCEDURES FOR THE ANALYSIS OF POLLUTANTS UNDER THE CLEAN WATER ACT", OCTOBER 26, 1984 (FEDERAL REGISTER) U. S. ENVIRONMENTAL PROTECTION AGENCY.
- U.S. Environmental Protection Agency, "Test Methods of Evaluating Solid Waste Physical/Chemical Methods", Office of Solid Waste and Emergency Response, SW-846, 2nd Edition and 3rd Edition.

THIS REPORT CONTAINS ANALYTICAL DATA BASED ON OUR EXAMINATION OF THE SAMPLE(S) PRESENTED TO US. THIS REPORT CONTAINS (EXCEPT WHERE EXPLICITLY STATED) A COMPLETE ACCOUNT OF THE ANALYSES REQUESTED TO BE PERFORMED ON THE SAMPLE(S). INFORMATION WHICH WAS NOT REQUESTED TO BE REPORTED IS NOT INCLUDED.

PHILLIP A KUYKENDALL JULY 21, 1994
ENVIRONMENTAL LABORATORY MANAGER

REPORT CODE LEGEND:

<DL = LESS THAN DETECTION LIMIT

ND = NOT DETECTED

NA = NOT APPLICABLE

INP = INFORMATION NOT PROVIDED

MB = METHOD BLANK

Huntingdon

METHOD DOH 310-13 PETROLEUM PRODUCTS IN WATER

ND=NONE DETECTED

SAMPLE IDENTIFICATION	MW-1	MW-2	MW-3	MW-4	METHOD BLANK	
HAS SAMPLE #941003	01	02	03	04	 	
ANALYTE	RESULT	RESULT	RESULT	RESULT	RESULT	DL
	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
GASOLINE KEROSENE FUEL OILS LUBE OIL	ND	ND	ND	ND	ND	ND
	<100	<100	<100	<100	<100	100
	<100	<100	<100	<100	<100	100
	ND	ND	ND	ND	ND	ND
DATE EXTRACTED:	7/11/94	7/11/94	7/11/94	7/11/94	7/11/94	
DATE ANALYZED:	7/11/94	7/11/94	7/11/94	7/11/94	7/11/94	

EPA METHOD 602 PURGEABLE AROMATICS

SAMPLE IDENTIFICATION:	MW-1	MW-2	MW-3	MW-4	OIL WATER	METHOD BLANK	
HAS SAMPLE #941003	01	02	03	04	05		
ANALYTE	RESULT ug/L	RESULT ug/L	RESULT ug/L	RESULT ug/L	RESULT ug/L	RESULT ug/L	DL ug/L
BENZENETOLUENE	<0.50 <0.50	<0.50 <0.50	<0.50 <0.50	<0.50 <0.50	<0.50 <0.50	<0.50 <0.50	0.50 0.50
ETHYLBENZENE	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	0.50
m/p-XYLENE	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.0
o-XYLENE	<0.50	< 0.50	< 0.50	< 0.50	< 0.50	<0.50	0.50
DATE ANALYZED:	7-14-94	7-14-94	7-14-94	7-14-94	7-14-94	7-13-94	

EMPIRE SOILS INVESTIGATIONS, INC.

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	6-2-14	12 1575	6	Mw-1	01	410		.01	1	,				TPH 310.13 /602 BTEX
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Mw-4	7654		G	N.W.4	04	14/	3	9	1	_				TPH 310.13/602 BTEX
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Upstate Laboratories, Inc.

Analysis Results

Report Number: 15295030

Client I.D.: EMPIRE SOILS INVEST.-GROTON

Sampled by: Client

APPROVAL: _____

GE-95-39 US AIR

MW-1 1100H 06/01/95 G

ULI I.D.: 15795025	Matrix: Water			
PARAMETERS	RESULTS	DATE ANAL.	KEY	FIL
EPA Method 602	<i>y</i>			
Benzene	<lug l<="" td=""><td>06/14/95</td><td></td><td>VA14</td></lug>	06/14/95		VA14
Toluene	<lug l<="" td=""><td>06/14/95</td><td></td><td>VA1</td></lug>	06/14/95		VA1
Ethylbenzene	<1ug/1	06/14/95		VA1
m-Xylene and p-Xylene	<1ug/1	06/14/95		VA1
o-Xylene	<1ug/l	06/14/95		VA1
Chlorobenzene	<1ug/l	06/14/95		VA1
1,2-Dichlorobenzene	<1ug/l	06/14/95		VA1
1,3-Dichlorobenzene	<1ug/1	06/14/95		VAl
1,4-Dichlorobenzene	<lug l<="" td=""><td>06/14/95</td><td></td><td>VAl</td></lug>	06/14/95		VAl
Petroleum, Gas Chromatography				
Gasoline	<0.1mg/1	06/09/95		PAl
Fuel #1 (Kerosene)	<0.1mg/l	06/09/95		PA1
Fuel #2	<0.1mg/1	06/09/95		PA1
Lubricating/Insulating/Hydraulic	<0.1mg/1	06/09/95		PA1
Unidentified Hydrocarbons	<0.lmg/l	06/09/95		PA1
Total Petroleum Hydrocarbons	<0.lmg/l	06/09/95		PA1

Upstate Laboratories, Inc.

Analysis Results

Report Number: 15295030

Client I.D.: EMPIRE SOILS INVEST.-GROTON

Sampled by: Client

MW-2 1110H 06/01/95 G

APPROVAL: ______

ULI I.D.: 15795026	Matrix: Water	_		
PARAMETERS	RESULTS	DATE ANAL.	KEY	FIL

EPA Method 602				
•••••	•			
Benzene	<lug l<="" td=""><td>06/14/95</td><td></td><td>VA1</td></lug>	06/14/95		VA1
Toluene	<1ug/1	06/14/95		VA14
Ethylbenzene	<lug l<="" td=""><td>06/14/95</td><td></td><td>VA14</td></lug>	06/14/95		VA14
m-Xylene and p-Xylene	<lug l<="" td=""><td>06/14/95</td><td></td><td>VA14</td></lug>	06/14/95		VA14
o-Xylene	<1ug/l	06/14/95		VA14
Chlorobenzene	<1ug/1	06/14/95		VA14
1,2-Dichlorobenzene	<lug l<="" td=""><td>06/14/95</td><td></td><td>VA14</td></lug>	06/14/95		VA14
1,3-Dichlorobenzene	<1ug/1	06/14/95		VA14
1,4-Dichlorobenzene	<lug l<="" td=""><td>06/14/95</td><td></td><td>VA14</td></lug>	06/14/95		VA14
Petroleum, Gas Chromatography				
Gasoline	<0.1mg/1	06/09/95		PA18
Fuel #1 (Kerosene)	<0.1mg/1	06/09/95		PA18
Fuel #2	<0.1mg/1	06/09/95		PA18
Lubricating/Insulating/Hydraulic	<0.lmg/l	06/09/95		PA18
Unidentified Hydrocarbons	<0.1mg/1	06/09/95		PAL
Total Petroleum Hydrocarbons	<0.1mg/1	06/09/95		PA1

Upstate Laboratories, Inc.

Analysis Results

Report Number: 15295030

Client I.D.: EMPIRE SOILS INVEST.-GROTON

Sampled by: Client

APPROVAL: QC: Lab I.D.: 10170

GE-95-39 US AIR

MW-3 1115H 06/01/95 G

ULI I.D.: 15795027	Matrix: Water			
PARAMETERS	RESULTS	DATE ANAL.	KEY	FIL
EPA Method 602				
Benzene	<lug l<="" td=""><td>06/14/95</td><td></td><td>VA1</td></lug>	06/14/95		VA1
Toluene	<lug l<="" td=""><td>06/14/95</td><td></td><td>VA1</td></lug>	06/14/95		VA1
Ethylbenzene	<lug l<="" td=""><td>06/14/95</td><td></td><td>VA1</td></lug>	06/14/95		VA1
m-Xylene and p-Xylene	<lug l<="" td=""><td>06/14/95</td><td></td><td>VA1</td></lug>	06/14/95		VA1
o-Xylene	<1ug/1	06/14/95		VA1
Chlorobenzene	<1ug/1	06/14/95		VA1
1,2-Dichlorobenzene	<1ug/1	06/14/95		VA1
1,3-Dichlorobenzene	<1ug/1	06/14/95		VA1
1,4-Dichlorobenzene	<lug l<="" td=""><td>06/14/95</td><td></td><td>VA1</td></lug>	06/14/95		VA1
Petroleum, Gas Chromatography				
Gasoline	<0.1mg/1	06/09/95		PA1
Fuel #1 (Kerosene)	<0.1mg/1	06/09/95		PA1
Fuel #2	< 0.1 mg/l	06/09/95		PA1
Lubricating/Insulating/Hydraulic	<0.1mg/1	06/09/95		PA1
Unidentified Hydrocarbons	<0.1mg/1	06/09/95		PA1
Total Petroleum Hydrocarbons	<0.1mg/1	06/09/95		PA1

Upstate Laboratories, Inc.

Analysis Results

Report Number: 15295030

Client I.D.: EMPIRE SOILS INVEST.-GROTON

Sampled by: Client

APPROVAL: _ Q 0C:7777

Lab I.D.: 10170

GE-95-39 US AIR

MW-4 1120H 06/01/95 G

ULI I.D.: 15795028	Matrix: Water			
PARAMETERS	RESULTS	DATE ANAL.	KEY	FILE

EPA Method 602	·			•
			. *	
Benzene	<lug l<="" td=""><td>06/14/95</td><td></td><td>VA14</td></lug>	06/14/95		VA14
Toluene	<lug l<="" td=""><td>06/14/95</td><td></td><td>VA14</td></lug>	06/14/95		VA14
Ethylbenzene	<lug l<="" td=""><td>06/14/95</td><td></td><td>VA14</td></lug>	06/14/95		VA14
m-Xylene and p-Xylene	<lug l<="" td=""><td>06/14/95</td><td></td><td>VA14</td></lug>	06/14/95		VA14
o-Xylene	<1ug/l	06/14/95		VA14
Chlorobenzene	<lug l<="" td=""><td>06/14/95</td><td></td><td>VA14</td></lug>	06/14/95		VA14
1,2-Dichlorobenzene	<lug l<="" td=""><td>06/14/95</td><td></td><td>VA14</td></lug>	06/14/95		VA14
1,3-Dichlorobenzene	<lug l<="" td=""><td>06/14/95</td><td></td><td>VA14</td></lug>	06/14/95		VA14
1,4-Dichlorobenzene	<1ug/1	06/14/95		VA14
Petroleum, Gas Chromatography				
Gasoline	<0.1mg/l	06/09/95		PA18
Fuel #1 (Kerosene)	<0.1mg/1	06/09/95		PA18
Fuel #2	<0.1mg/1	06/09/95		PA18
Lubricating/Insulating/Hydraulic	<0.1mg/1	06/09/95		PA18
Unidentified Hydrocarbons	<0.1mg/1	06/09/95		PA18
Total Petroleum Hydrocarbons	<0.1mg/1	06/09/95		PA18

Upstate Laboratories, Inc.

Analysis Results

Report Number: 15295030

Client I.D.: EMPIRE SOILS INVEST.-GROTON

1,4-Dichlorobenzene

GE-95-39 US AIR Sampled by: Client BLANK 06/01/95

ULI I.D.: 15795029 Matrix: Water **PARAMETERS** RESULTS DATE ANAL. KEY FILE -----------EPA Method 602 Benzene <1ug/1 06/16/95 VA14 Toluene 06/16/95 <lug/l VA14 Ethylbenzene <1ug/1 06/16/95 VA14 m-Xylene and p-Xylene <lug/l 06/16/95 VA14 o-Xylene 06/16/95 <lug/l **VA14** Chlorobenzene 06/16/95 <1ug/l VA14 1,2-Dichlorobenzene <1ug/1 06/16/95 VA14 1,3-Dichlorobenzene 06/16/95 <lug/l **VA14**

<1ug/1

APPROVAL: _C___

Lab I.D.: 10170

06/16/95

VA14

OC: 72/2

KEY PAGE

- 1 MATRIX INTERFERENCE PRECLUDES LOWER DETECTION LIMITS
- 2 MATRIX INTERFERENCE
- 3 PRESENT IN BLANK
- 4 ANALYSIS NOT PERFORMED BECAUSE OF INSUFFICIENT SAMPLE
- 5 THE PRESENCE OF OTHER TARGET ANALYTE(S) PRECLUDES LOWER DETECTION LIMITS
- 6 BLANK CORRECTED
- 7 HEAD SPACE PRESENT IN SAMPLE
- 8 BDL (BELOW DETECTION LIMITS)
- 9 MDL (METHOD DETECTION LIMITS)
- .10 ADL (AVERAGE DETECTION LIMITS)
- 11 POL (PRACTICAL QUANTITATION LIMIT)
- 12 SAMPLE ANALYZED OVER HOLDING TIME
- 13 DISSOLVED VALUE MAY BE HIGHER THAN TOTAL DUE TO CONTAMINATION FROM THE FILTERING PROCEDURE
- 14 SAMPLED BY ULI
- 15 DISSOLVED VALUE MAY BE HIGHER THAN TOTAL; HOWEVER, THE VALUES ARE WITHIN EXPERIMENTAL ERROR
- 16 SUBCONTRACTED
- 17 PARAMETER NOT ANALYZED WITHIN 15 MINUTES OF SAMPLING
- 18 DEPENDING UPON THE INTENDED USE OF THIS TEST RESULT, CONFIRMATION BY GC/MS OR DUAL COLUMN CHROMATOGRAPHY MAY BE REQUIRED
- 19 CALCULATION BASED ON DRY WEIGHT
- 20 INDICATES AN ESTIMATED VALUE, DETECTED BUT BELOW THE PRACTICAL QUANTITATION LIMIT
- 21 UG/KG AS REC.D / UG/KG DRY WT
- 22 MG/KG AS REC.D / MG/KG DRY WT
- 23 INSUFFICIENT SAMPLE PRECLUDES LOWER DETECTION LIMITS
- 24 SAMPLE DILUTED/BLANK CORRECTED
- 25 ND (NON-DETECTED)
- 26 MATRIX INTERFERENCE PRECLUDES LOWER DETECTION LIMITS/BLANK CORRECTED
- 27 SPIKE RECOVERY ABNORMALLY HIGH/LOW DUE TO MATRIX INTERFERENCE
- 28 POST-DIGESTION SPIKE FOR FURNACE AA ANALYSIS IS OUTSIDE OF THE CONTROL LIMITS (85-115%); HOWEVER, THE SAMPLE CONCENTRATION IS BELOW THE PQL
- 29 ANALYZED BY METHOD OF STANDARD ADDITIONS
- 30 METHOD PERFORMANCE STUDY HAS NOT BEEN COMPLETED/ND(NON-DETECTED)
- 31 FIELD MEASURED PARAMETER TAKEN BY CLIENT
- 32 TARGET ANALYTE IS BIODEGRADED AND/OR ENVIRONMENTALLY WEATHERED
- 33 NON-POTABLE WATER SOURCE
- 34 INDIVIDUAL AROCLORS DO NOT CARRY A DETECTION LIMIT BUT ARE INCLUSIVE TO THE TOTAL PCB CONTENT
- 35 THE HYDROCARBONS DETECTED IN THE SAMPLE DID NOT CROSS-MATCH WITH COMMON PETROLEUM DISTILLATES
- 36 MATRIX INTERFERENCE CAUSING SPIKES TO RESULT IN LESS THAN 50.0% RECOVERY
- 37 MILLIGRAMS PER LITER (MG/L) / POUNDS (LBS) PER DAY
- 38 MILLIGRAMS PER LITER (MG/L) OF RESIDUAL CHLORINE (CL2) / POUNDS (LBS)
 PER DAY OF CL2
- 39 MICROGRAMS PER LITER (UG/L) / POUNDS (LBS) PER DAY
- 40 MILLIGRAMS PER LITER (MG/L) LINEAR ALKYL SULFONATE (LAS) / POUNDS (LBS) PER DAY LAS
- 41 RESULTS ARE REPORTED ON AN AS REC.D BASIS
- 42 THE SAMPLE WAS ANALYZED ON A TOTAL BASIS; THE TEST RESULT CAN BE COMPARED TO THE TCLP REGULATORY CRITERIA BY DIVIDING THE TEST RESULT BY 20, CREATING A THEORETICAL TCLP VALUE
- 43 METAL BY CONCENTRATION PROCEDURE
- 44 POSSIBLE CONTAMINATION FROM FIELD/LABORATORY

LIMITARIAN

13 190005 - 09

140 Telegraph Road Middleport, NY 14105 Phone (716) 735-3400

CHAIN OF CUSTODY RECORD AND ANALYTICAL REQUEST FORM

				Comp	·	, <u> </u>		No.	C	Contai	ner Si	ze &	Тур	2	Analysis Requested/Remarks
-	Sample I.D.	Date	Time	or Grab	Sample Location	HAS Seq.#	Matrix	of Cont.	40 Mc	QD ML					
25	Mw-1	6-1-55	1100	0	Mu-1		460	(3)	7	1					602 BTEX 1PH 310.13
26	MW-2	6-485	1110	6	Mw-2		450	(3)	Э	1					602 Brex, TPH 310,13
ສາ		6-1-55	1115	6	MW-3		40	(3)	9	1					602 BTEX, TPH 310.13 602 BTEX, TPH 310.13 602 BTEX + TPH 310,
28	Mw-4	6-1-95	1120	5	mw-V		430	(3)	9	1					602 BTEX- THAT 310.13
29	Blant	6-25	-					10	/						602 (BTEV)
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ATTACHMENT 4

OCDDS LETTER - MARCH 5, 1996

COUNTY OF ONONDAGA



DEPARTMENT OF DRAINAGE AND SANITATION

650 HIAWATHA BOULEVARD, WEST SYRACUSE, NEW YORK 13204-1194

NICHOLAS J. PIRRO COUNTY EXECUTIVE

March 5, 1996

TEL: 315/435-2260 315/435-6820

FAX: 315/435-5023

JOHN M. KARANIK COMMISSIONER

Mr. John Trendowski, P.E. C&S Engineers, Inc. 1099 Airport Boulevard North Syracuse, New York 13212

Re: USAir Ground Service Equipment (GSE) Maintenance Facility at Hancock

Airport

Mr. Trendowski:

We have reviewed the information that you submitted on behalf of USAir. In addition, David Colbert of this office conducted an inspection of the USAir GSE facility on 2/2/96. As a result, it has been determined that USAir does not need a permit from this department in order to discharge wastewater to the sanitary sewer system. However, the oil/water separator that is currently in use at the GSE facility must be properly maintained to prevent the discharge of oils to the sewer system. In addition, oil, antifreeze and other similar products must not be stored near the floor drains.

This determination is made based on the current operational characteristics of the facility. Should the operations of this facility change significantly, a new determination will have to be made.

Should you have any questions, please contact Sandra Tuori-Bell or David Colbert.

Sincerely,

DEPARTMENT OF DRAINAGE AND SANITATION

OHN M. KARANIK

u Karaw

Commissioner

DRC/ss

cc:

Art Russell

Ron Leone

File - Miscellaneous Industry File

New York State Department of Environmental Conservation Division of Environmental Enforcement 50 Wolf Road Room 400 Albany, New York 12233-5550



Michael D. Zagata Commissioner

Telephone: (518) 457-7821 Fax: (518) 457-7819

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

JAN 4 1996

US Air, Inc. Hancock International Airport North Syracuse, N.Y. 13212 Attn: Mr. Sal Pusateri, Station Manager

RE: EPA/DEC Joint Request for Information

Dear Mr. Pusateri:

This correspondence responds to your company's reply to the joint request for information from EPA and the Department, received by U.S. Air in March of 1995. After review, the Department has identified several data gaps in U.S. Air's reply, as set out in the questions below. Pursuant to the underlying State and Federal authority set forth in the March 1995 joint request, please submit the requested information within 30 days of your receipt of this correspondence.

- 1. In response to question 9 of the joint request, U.S. Air indicated that a closure operation was performed for the joint U.S. Air/American Airlines fuel farm. Please provide a description of the closure activities and any available reports and analytical data (for waste and environmental media sampling), including the closure workplan and final report prepared for this operation.
- 2. The same response references a "one time airport cleanup" completed by U.S. Air which consisted of "monitoring and disposal of a number of drums of unknown material". Please indicate the type of monitoring that occurred and provide a description of the cleanup activities and any available analytical data. Kindly include the cleanup workplan and the final report prepared for this operation.
- 3. In conjunction with response number 9, Figure 2 of the Spill Prevention Control and Countermeasure Plan shows monitoring wells. Please provide any available groundwater data for samples collected from these wells. In addition, please provide any available analytical data regarding the Airport's stormwater outfalls.

4. Pursuant to question 13 of the joint request, please provide a copy of any Onondaga County Department of Drainage and Sanitation Industrial Wastewater Discharge permit possessed by U.S. Air.

We hope that EPA's and the Department's receipt of this supplemental information will complete your company's response. We will continue to review your company's submittal and therefore must reserve our rights to ask for further supplemental information at a later date if it becomes necessary. Please contact Mr. Little at the above telephone number if you have any questions.

Sincerely Yours,

William G. Little Associate Attorney

Division of Environmental

Enforcement

Géorge A. Shanahan

Assistant Regional Counsel / United States Environmental Protection Agency, Region II

cc: Mr. John R. Trendowski, P.E.
C & S Engineers
1099 Airport Blvd.
North Syracuse, N.Y. 13212

Mr. Albert DiBernardo, TAMS

bcc: Commissioner Zagata
G. Shanahan, EPAREG2
H. King, EPAREG2
D. Hesler

A. Peterson

ONONDAGA LAKE NYD986913580

OU: 00

8.0 GENERAL ENFORCEMENT

8.1.2 PRP Specific Info and Correspondence
USAir Group, Inc.
0000026037

USAir

Pittsburgh International Airport P.O. Box 12546 Pittsburgh, PA 15231-0346

June 1, 1995

Mr. William Daigle, P.E. Chief, Special Projects Section NYS Department of Environmental Conservation 50 Wolf Road Albany, NY 12233-7010

Re: Joint Request For Information Concerning Disposal of Hazardous Substances at Onondaga Lake, Syracuse, New York

Dear Mr. Daigle:

In response to the Joint Request for Information, USAir is submitting the document entitled "Responses to Joint Request For Information Concerning Disposal of Hazardous Substances at Onondaga Lake, Syracuse, New York."

If there are any questions regarding the submittal, please call Mr. John Wright at (412) 472-1514.

Sincerely,

Gregory Shamitko/Manager Environmental Programs

GS/erh Enclosure

cc: Mr. Herbert H. King, USEPA (with enclosure)

TAMS Consultants, Inc. (with enclosure)

George A. Shanahan, Esq., USEPA William G. Little, Esq., NYSDEC

Monica Roye, Esq., USAir (with enclosure)

C&S Engineers, Inc. (with enclosure)

USAir Group, Inc. EPA ID #NYD 00824581

RESPONSES TO

JOINT REQUEST FOR INFORMATION CONCERNING DISPOSAL OF HAZARDOUS SUBSTANCES

AT ONONDAGA LAKE, NEW YORK

USAir Group, Inc. Hancock International Airport North Syracuse, New York 13212

Table of Contents

	Page No
Cert	tification of Answers to Request for Information
Intro	oduction
1a.	Legal Name and Address of Company
1b.	Agent for Service of Process in State of Incorporation and New York
2.	Name and Address of Officers of Company
3.	List of Subsidiaries
4.	Facilities which Managed Hazardous Substances, Hazardous Wastes or Industrial Wastes within 50 miles of Onondaga Lake
5.	Nature of Operation at Facility
6.	Process/Mechanical Description of Operations
7.	Manner of Transportation or Disposal of Hazardous Substances, Hazardous Wastes or Industrial Wastes Managed at the Facility
8.	Names and Addresses of Transporters and Disposal Facilities used for each Hazardous Substance, Hazardous Waste or Industrial Waste
9.	Releases or Discharges of Hazardous Substances, Hazardous Wastes or Industrial Wastes into the Environment
10.	Treatment and Pretreatment of Materials Prior to Discharge
11.	Persons and Entities Who Determine How to Treat, Store, and/or Dispose of Hazardous Substances, Hazardous Wastes, or Industrial Wastes 21
12.	Sources of Information for Responses to Questions 6-10
13.	Copies of Applicable Permits
14.	List of Insurance Policies Indemnifying USAir from Liability
15.	Additional Information
16.	Individuals and Entities Who Assisted in Preparation of Responses

Table of Contents (Continued)

Tables		
Table 1	Fuel F	Farm Storage Tanks
Table 2	Fuel F	Farm Waste Materials
Table 3	Transp	port and Disposal Methods9
Table 4	Transp	porters and Disposal Facilities
Table 5	Transp	porters and Disposal Facilities - Oneida County Airport
Table 6	Summ	pary of Spills
Table 7	Efflue	ent Data from Oil/Water Separator
Figures	÷.	
Figure 1	Onone	daga Lake Drainage Basin
Figure 2	USAi	r Site Locations
Attachn	nents	
Attachme	ent A	Correspondence from NYSDEC
Attachm	ent B	SPCC Plan
Attachment C		Invoices Hazardous Waste Manifests
Attachment D		Hazardous Waste Manifests - Oneida County Airport
Attachment E		SPDES Permit
Attachm	ent F	Oil/Water Separator Effluent Analytical Results
Attachm	ent G	Major Petroleum Facility License

CERTIFICATION OF ANSWERS TO REQUEST FOR INFORMATION

State of <u>Pennsylvania</u>:
County of <u>Allegheny</u>:

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document (response to EPA/DEC Joint Request for Information) and all documents submitted herewith, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete, and that all documents submitted herewith are complete and authentic unless otherwise indicated. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. I am also aware that my company is under a continuing obligation to supplement its response to EPA's and DEC's Request for Information relevant to the matters addressed in EPA's and DEC's Request for Information or the company's response thereto should become known or available to the company.

Gregory Shamitko

NAME (print or type)

Manager Environmental Programs

TITLE (print or type)

SIGNATURE

Sworn to before me this

5th day of June, 1995.

Notary Public

Notarial Seal Mary M. O'Leary, Notary Public Findlay Twp., Allegheny County My Commission Expires June 25, 1998

Member, Pennsylvania Association of Notaries

CERTIFICATION OF ANSWERS TO REQUEST FOR INFORMATION

State of	:
County of	
the information submitted in this do for Information) and all document inquiry of those individuals immedia I believe that the submitted informal all documents submitted herewith indicated. I am aware that there information, including the possibility that my company is under a continuation to the matters addressed in EPA's	nave personally examined and am familiar with ocument (response to EPA/DEC Joint Requests submitted herewith, and that based on my ately responsible for obtaining the information ation is true, accurate, and complete, and that are complete and authentic unless otherwise are significant penalties for submitting false by of fine and imprisonment. I am also aware using obligation to supplement its response to rmation if any additional information relevants and DEC's Request for Information or the
company's response thereto should	become known or available to the company.
	Gregory Shamitko NAME (print or type)
	Manager, Environmental Programs
	TITLE (print or type)
	SIGNATURE
Sworn to before me this	
day of , 1995.	
Notary Public	

RESPONSE TO REQUEST FOR INFORMATION

USAir Activities at Hancock International Airport EPA ID#NYD000824581

Introduction

In response to the United States Environmental Protection Agency (USEPA) and New York State Department of Environmental Conservation (NYSDEC) Joint Request for Information concerning disposal of hazardous substances at Onondaga Lake, Syracuse, New York, USAir has developed this response. The responses in this submittal are based on information available at the time of preparation. Should additional information become available regarding the disposal of hazardous waste, hazardous substances, and industrial waste generated by USAir, the information will be submitted to USEPA.

USAir has operated at the City of Syracuse Hancock International Airport since 1989. Prior to that time, USAir and its predecessors operated under the names of Mohawk, Allegheny, and Piedmont. These predecessors may have performed maintenance activities at the airport since the late 1950s. It should be noted that USAir and its predecessors are only one of many private airlines or government defense related forces operating at the Hancock International Airport.

The information contained in this submittal is primarily based on activities since 1989, when USAir started operating at Hancock International Airport. Therefore, the information on activities is based on available records retained by USAir.

1a. Legal Name and Address of Company

The correct legal name and address of the company:

USAir Group, Inc. 2345 Crystal Drive Crystal Park Four Arlington, Virginia 22227

1b. Agent for Service of Process in State of Incorporation and New York

The state of incorporation for USAir Group, Inc. is Delaware.

The company's agent for service of process in Delaware is C.T. Corporation.

The company's agent for service of process in New York is C.T. Corporation.

The information for the response for Item 1 was provided by John Wright (USAir) and Monica Roye (USAir).

2. Name and Address of Officers of Company

Mr. Frank L. Salizzoni is the President and Chief Operating Officer of USAir Group, Inc. Mr. Seth E. Schofield is the Chairman of the Board and Chief Executive Officer of USAir Group, Inc.

The mailing address for Frank L. Salizzoni and Seth E. Schofield is listed below:

USAir Group, Inc. 2345 Crystal Drive Crystal Park Four Arlington, Virginia 22227

The information for the response for Item 2 was provided by John Wright (USAir) and Monica Roye (USAir).

3. List of Subsidiaries

USAir Group, Inc. is a wholly owned corporation.

Subsidiaries of USAir Group, Inc. include the following:

Allegheny Airlines, Inc.
Jetstream International Airlines
Material Services Corp.
Pacific Southwest Airmotive
Piedmont Airlines (formerly Henson Aviation)
USAir Fuel Corp.
USAir Leasing and Services, Inc.
USAM Corp.

The following is a listing of the officers of these subsidiaries:

Allegheny Airlines, Inc.	Seth E. Schofield	Sole Director
Jetstream International Airlines	Richard Pfennig	Chairman of the Board
	Richard Pfennig	President
Material Services Corp.	Ronald Armini	Chief Executive Officer
•	Ronald Armini	President
Pacific Southwest Airmotive	Seth E. Schofield	Chairman of the Board
Piedmont Airlines	John R. Leonard	Chief Executive Officer
	John R. Leonard	President
	Richard Henson	Chairman of the Board
USAir Fuel Corp.	Jerry E. Smith	President
USAir Leasing and Services, Inc.	Seth E. Schofield	Sole Director
USAM Corp.	Alan P. Abner	President

The information for the response for Item 3 was provided by John Wright (USAir) and Sal Pusateri (USAir), and Monica Roye (USAir).

4. Facilities which Managed Hazardous Substances, Hazardous Wastes, or Industrial Wastes within a 50 Miles of Onondaga Lake.

USAir has operated at three airports within a fifty mile radius of any point along the shoreline of Onondaga Lake. These airport facilities include:

Hancock International Airport, Syracuse, New York Tompkins County Airport, Ithaca, New York Oneida County Airport, Oriskany, New York

■ At Hancock International Airport, the address is the following:

USAir, Inc. Hancock International Airport North Syracuse, New York 13212

USAir has operated at the airport since 1989. Prior to that time, USAir and its predecessors operated under the names of Mohawk, Allegheny, and Piedmont. It should be noted that USAir and its predecessors are only one of many private airlines or government air defense related forces operating at Hancock International Airport.

At Tompkins County Airport, the address is the following:

Tompkins County Airport CFR Building Brown Road Ithaca, New York 14850

No records of waste shipments were located during this investigation. Tompkins County Airport is located outside the Onondaga Lake drainage area. A map of the

drainage area is shown in Figure 1. As indicated in the New York State Department of Environmental Conservation (NYSDEC) correspondence dated April 7, 1995, responses are not required to be completed for the Oneida County airport provided that USAir facilities did not transport any hazardous or other waste substances for disposal within the Onondaga Lake drainage basin. A copy of the NYSDEC correspondence is presented in Attachment A.

■ At Oneida County Airport, the address is the following:

Oneida County Airport RD#2, Box 141 Oriskany, New York 13424-0400

USAir no longer operates at the Oneida County Airport. USAir operations were discontinued at the airport in June, 1991. As shown in Figure 1, Oneida County Airport is not located in the Onondaga Lake Drainage Basin. In addition, as indicated in the NYSDEC's correspondence dated April 7, 1995 (see Attachment A), USAir needs to inform the NYSDEC and USEPA only of waste shipments transported to disposal facilities located within the drainage basin. Manifests have been located documenting hazardous waste shipments to Solvents & Petroleum Service, Inc. located at 1405 Brewerton Road, which is in the Onondaga Lake drainage area. The waste materials shipped to Solvents & Petroleum Service are identified in Table 5, presented in Item 8. Copies of the manifests are included in Attachment D.

The information for the response for Item 4 was provided by John Wright (USAir), James O'Hara (USAir) and Sal Pusateri (USAir).

5. Nature of Operation at Facility

The USAir facility at the Syracuse Hancock International Airport includes the following operations.

- a. Operation and maintenance of a fuel farm.
- b. Aircraft line maintenance activities.
- c. Maintenance of ground service equipment.
- 5a. The work involved in the operation and maintenance of the fuel farm is contracted to SAIR Aviation. SAIR provides the personnel and materials to operate the fuel farm in accordance with applicable New York State and USEPA petroleum bulk storage and handling regulations. Also, the facility has on hand a Spill Prevention Control and Countermeasure (SPCC) Plan dated June 1994. A copy of the SPCC Plan is presented in Attachment B. The fuel farm consists of the storage tanks listed in Table 1.

Table 1			
Fuel Farm Storage Tanks			

Tank No.	Product	Design Capacity (Gal.)	Working Capacity (Gal.)	Flow Rate (GPM)	Туре
1	Diesel	1,000	890	100	Horizontal
2	Unleaded Gas	20,000	18,097	200	Horizontal
3	Glycol Fluid	20,000	18,097	200	Horizontal
4	Glycol Fluid	20,000	18,097	200	Horizontal
5	Jet-A	210,000	186,113	400	Vertical
6	Jet-A	210,000	188,863	400	Vertical
7	Waste Jet-A and Water Mixture	500	500	N/A	Vertical
8	Anti-icing Fluid (Type II)	6,000			Horizontal

Please refer to the attached Spill Prevention Control and Countermeasure (SPCC) Plan for details of the operation of the fuel farm. It should be noted that the existing fuel farm has been in operation since 1989. Prior to the installation of the fuel farm, USAir jointly operated a fuel farm with American Airlines. This fuel farm was closed in accordance with New York State requirements on August 5, 1993. In addition, USAir converted to using propylene glycol de-icing fluid instead of ethylene glycol in the Fall of 1994.

5b. Aircraft Line Maintenance

Normal aircraft line maintenance activities include fueling, engine servicing, inspections, deicing aircraft, and other maintenance items. The services can vary depending on weather conditions, pilot requests, and type of aircraft. No heavy maintenance or overhaul type repairs are conducted on aircraft at the Syracuse Hancock International Airport.

5c. Maintenance of Ground Service Equipment (GSE)

USAir maintains its GSE in order to provide quality service to passengers as well as the aircraft. The maintenance activities for the ground service equipment include, but are not limited to, the following:

Oil changes for GSE Roller/brush painting activities for GSE Vehicle wash for GSE

June 1, 1995 Page 6

Utilities such as sewer, water, heat, and electricity are supplied to the USAir facility by the City of Syracuse. Therefore, the facility does not operate boilers or other combustion sources, water treatment equipment, or other facility related services.

The information for the response for Item 5 was provided by John Wright (USAir), James O'Hara (USAir), Sal Pusateri (USAir), and John Messenger (SAIR Aviation).

6. Process/Mechanical Description of Operations

As described in Item 5, USAir conducts three types of operations at the Hancock International Airport, including:

- a. Operation and maintenance of a fuel farm.
- b. Aircraft line maintenance activities.
- c. Maintenance of ground service equipment.
- 6a. Operation and maintenance of the fuel farm includes loading and unloading of tank trucks and refuelers, inspection of the secondary containment, valves and piping, and maintenance of the effluent oil/water separator. A detailed description of operations for the fuel farm is included in the SPCC Plan, presented in Attachment B.

The wastes generated from fuel farm activities and the approximate volume of the wastes are listed below.

Table 2
Fuel Farm Waste Materials

Type of Waste	Approximate Quantity
Reclaimable in-line fuel filters	24 filters per year
Absorbent material	1 drum per year (average)
Waste oil from oil/water separator	As needed
Spillage - (See Table 6 for documentation of spills)	Not applicable

June 1, 1995

6b. Aircraft Line Maintenance

Aircraft line maintenance activities include fueling, engine servicing, inspections and deicing aircraft, and other miscellaneous maintenance as requested. In addition, disposal of general (non-hazardous) refuse from the terminal area would be included in aircraft line maintenance. Wastes and approximate quantities generated from line maintenance activities would include the following.

General (Non-Hazardous) Refuse

14,250 pounds/2 week period

Unused or Out-of-Date Products

Varies (See Item 8)

Changes in the volume of non-hazardous waste material generated include the addition of a self contained trash compactor in July 1994.

6c. USAir maintains its GSE in order to provide quality service to passengers as well as the aircraft. USAir conducts general maintenance and repairs. Activities include, but are not limited to, oil changes for GSE, roller/brush painting for GSE, and GSE vehicle washing. Wastes and approximate quantities from GSE maintenance activities include the following:

Waste Oil (Non-Hazardous)

650 gallons/year

Based on information derived from individuals contacted during our investigation, USAir operations at Syracuse Hancock International Airport have always been associated with line maintenance. The operations currently conducted should be similar to activities conducted in the past.

The information for the response for Item 6 was provided by John Wright (USAir), James O'Hara (USAir), Sal Pusateri (USAir) and John Messenger (SAIR).

7. Manner of Transportation or Disposal of the Hazardous Substances, Hazardous Wastes, or Industrial Wastes Managed at the Facility

For each type of waste that USAir generates at the Hancock International Airport facility, USAir disposes of the material in accordance with Federal, State and local regulations. The manner of transportation or disposal of hazardous wastes, hazardous substances, and industrial wastes which are or have been generated, handled, treated, or stored at this facility since 1990 is listed in Table 3.

It should be noted that a large number of the materials identified in Table 3 and 4 were the result of a one time airport clean-up completed by USAir. The clean-up consisted of monitoring and disposal of a number of drums of unknown material. The unknown materials were not generated by USAir but were discovered near the USAir terminal area. USAir disposed of the materials in accordance with Federal, State and local regulations.

June 1, 1995 Page 8

Table 4, presented in Item 8, provides a detailed list of the wastes generated, name and address of the waste hauler, dates shipped, and quantity hauled for each type of waste. Bills of Lading and Hazardous Waste Manifests are included in Attachment C.

Table 3
Transport and Disposal Methods

Waste Generated (Currently & Previously)	Transportation/Disposal Method(s)
Reclaimable In-Line Fuel Filters	The 24 in-line fuel filters are changed on an annual basis. The filters are transported back to the manufacturer for reclamation of the metal while the combustible portion of the filter is used as an energy supplement.
Waste oil (Non-hazardous)	Non-hazardous waste oil from GSE is collected in a waste oil holding tank. The oil is pumped from the waste oil holding tank to a transporter's truck. Waste oil is transported to an off-site facility for recycling.
General Refuse	General non-hazardous refuse is compacted and removed every two weeks. In the past, general refuse was stored in a 8 cubic yard container in the main terminal which is removed six times per week and a 6 cubic yard container in the freight terminal, which is removed once per week. The waste is transported to Onondaga County's solid waste transfer station prior to disposal.
Unused Products	At various times, unused or out of date materials are collected and disposed of through a permitted environmental service/disposal company. The materials may include paints and cleaning compounds.
Absorbent Pads (Non-hazardous)	Waste absorbent pads are used to absorb petroleum products.
Kerosene & Motor Oil (D001)	Waste containing mineral spirits taken from oil/water separator at USAir Ground Equipment Repair Facility. Waste was transported to off-site facility for liquid incineration.

Table 3
Transport and Disposal Methods

Waste Generated (Currently & Previously)	Transportation/Disposal Method(s)
Debris with Gasoline (Benzene) (D018)	Waste was generated as part of one-time airport cleanup activity - disposed of 5 drums of solid hazardous waste of unknown origin and unknown responsibility. Waste was transported off-site for sludge incineration.
Kerosene & Motor Oil (D001)	Waste fuel was collected at Syracuse Fuel Farm, normally used for Aircraft Fuel Servicing. Waste was transported off-site for liquid incineration.
Kerosene Trichloroethylene (D001, D040)	Waste was generated as part of airport cleanup - disposed of 3 drums of flammable liquid hazardous waste of unknown origin and unknown responsibility. Waste was transported off-site for liquid incineration.
Hazardous Waste Liquid, Contained Chromium (D007)	Waste was generated as part of one-time airport cleanup activity - disposed of 1 drum of liquid hazardous waste bathroom deodorizer. Waste was shipped off-site for liquid incineration.
Waste Petroleum Oil (Non-hazardous)	Waste was generated as part of one-time airport cleanup activity - disposed of 3 drums of flammable liquid hazardous waste of unknown origin and unknown responsibility. Waste was transported off-site for liquid incineration.
Cleaning Compound (Non-Hazardous)	Waste cleaning compound was generated as part of one-time airport cleanup activity. Waste was shipped off-site for liquid incineration.
Waste Androx 423Y, contains formaldehyde (Non-Hazardous)	Waste was disposed of as part of one-time airport cleanup activity. Waste was shipped off-site for liquid incineration.
Floor Cleaner (Non-Hazardous)	Waste (1 drum) was disposed of as part of one-time airport cleanup activity. Waste is of unknown origin and unknown responsibility. Waste was shipped off-site for liquid incineration.
Empty Drums (Non-hazardous)	Waste (14 empty - 55 gallon drums) was disposed of as part of one-time airport cleanup activity and are of unknown origin and unknown responsibility.

Table 3
Transport and Disposal Methods

Waste Generated (Currently & Previously)	Transportation/Disposal Method(s)			
Waste Paint Related Material (D001, F005)	Waste normally used for priming aluminum products. Waste was removed from spill in aircraft bag compartment. Waste was transported off-site for solid incineration.			
Fuel for Aviation Engine (D001)	Waste fuel was contaminated with water particulates when delivered to fuel farm by vendor. Waste was transported off-site for liquid incineration.			
Speedy Dry and Kerosene (D001)	Waste was absorbent material from clean-up of aircraft fuel spill. Waste was transported off-site for sludge incineration.			
Waste Gasoline (D001, D018)	Waste was generated from a fuel spill on ramp. Waste was shipped off-site for liquid incineration.			
Hydraulic Oil (Non-Hazardous) Waste was drained from aircraft as normal servequirement - accumulated for a period of time was shipped off-site for liquid incineration.				

The information for the response for Item 7 was provided by Jim O'Hara (USAir) and USAir annual generator reports.

8. Name and Addresses of Transporters and Disposal Facilities Used for Each Hazardous Substance, Hazardous Waste, or Industrial Waste.

For each waste type generated for which records were provided, the names and addresses of the transporters and disposal facilities used are listed below. It should be noted that manifest records which are on file date back only to calendar year 1990. USAir expects that waste materials were disposed of in a similar manner prior to 1990. Copies of invoices and manifests are enclosed in Attachment C.

Table 4
Transporters and Disposal Facilities

Waste Generated (Currently & Previously)	Name & Address of Waste Hauler & Disposal Facility	Date(s) Waste Was Hauled	Quantity Hauled (Weight/Volume)
Reclaimable In- Line Fuel Filters	Velcon Filters, Inc. 4525 Centennial Boulevard Colorado Springs, CO 80919	Annually	24 filters
Waste Oil (Non- hazardous)	Bison Waste Oil Company, Inc. P.O. Box 147 240 Main Street Cowlesville, New York 14037	1994	650 gallons
Hydraulic Oil (Non- hazardous)	Disposal: Clean Harbors of Braintree, Inc. 385 Quincy Avenue Braintree, Massachusetts 02184 Hauler: Clean Harbors of Kingston, Inc.	06/25/90	110 Gallons
Waste Oil (Non- hazardous)	Disposal: Clean Harbors of Braintree, Inc. 385 Quincy Avenue Braintree, Massachusetts 02184 Hauler: Clean Harbors of Kingston, Inc.	06/25/90	770 Gallons
Jet Fuel/ Engine Oil (Non- hazardous)	Disposal: Clean Harbors of Braintree, Inc. 385 Quincy Avenue Braintree, Massachusetts 02184 Hauler: Clean Harbors of Kingston, Inc.	01/03/91	440 Gallons
Jet Fuel/ Engine Oil (Non- hazardous)	Disposal: Clean Harbors of Braintree, Inc. 385 Quincy Avenue Braintree, Massachusetts 02184 Hauler: Clean Harbors of Kingston - Price Trucking Corp.	12/20/91	550 Gallons
General Refuse	Disposal: Ace Sanitary Haulers, Inc. P.O. Box 303 Syracuse, New York 13201 Hauler: Ace Sanitary Haulers, Inc.	Daily	14,250 pounds per 2 week period (average)
Unused Cleaner (Non- hazardous)	Disposal: Clean Harbors of Braintree, Inc. 385 Quincy Avenue Braintree, Massachusetts 02184 Hauler: Clean Harbors of Kingston, Inc.	06/25/90	340 Gallons

Table 4
Transporters and Disposal Facilities

Waste Generated (Currently & Previously)	Name & Address of Waste Hauler & Disposal Facility	Date(s) Waste Was Hauled	Quantity Hauled (Weight/Volume)
Unused Product (D002)	Disposal: Clean Harbors of Braintree, Inc. 385 Quincy Avenue Braintree, Massachusetts 02184 Hauler: Clean Harbors of Kingston, Inc.	05/11/92	2200 Pounds
Absorbent Pads (Non- hazardous)	Disposal: Clean Harbors of Braintree, Inc. 385 Quincy Avenue Braintree, Massachusetts 02184 Hauler: Clean Harbors of Kingston, Inc.	06/25/90	495 Gallons
Kerosene & Motor Oil (D001)	Disposal: Clean Harbors of Braintree, Inc. 385 Quincy Avenue Braintree, Massachusetts 02184 Hauler: Clean Harbors Env. Services, Inc.	09/01/93	400 Gallons
Debris with Gasoline (Benzene) (D018)	Disposal: Clean Harbors of Braintree, Inc. 385 Quincy Avenue Braintree, Massachusetts 02184 Hauler: Clean Harbors Env. Services, Inc.	05/19/94	2250 Pounds
Kerosene & Motor Oil (D001)	Disposal: Clean Harbors of Braintree, Inc. 385 Quincy Avenue Braintree, Massachusetts 02184 Hauler: Clean Harbors Env. Services, Inc.	05/19/94	385 Gallons
Kerosene, Trichloro- ethylene (D001, D040)	Disposal: Clean Harbors of Braintree, Inc. 385 Quincy Avenue Braintree, Massachusetts 02184 Hauler: Clean Harbors Env. Services, Inc.	05/19/94	165 Gallons
Hazardous Waste Liquid Contains Chromium (D007)	Disposal: Clean Harbors of Braintree, Inc. 385 Quincy Avenue Braintree, Massachusetts 02184 Hauler: Clean Harbors Env. Services, Inc.	05/19/94	55 Gallons

Table 4
Transporters and Disposal Facilities

Waste Generated (Currently & Previously)	Name & Address of Waste Hauler & Disposal Facility	Date(s) Waste Was Hauled	Quantity Hauled (Weight/Volume)
Waste Petroleum Oil (Non- hazardous)	Disposal: Clean Harbors of Braintree, Inc. 385 Quincy Avenue Braintree, Massachusetts 02184 Hauler: Clean Harbors Env. Services, Inc.	05/19/94	165 Gallons
Cleaning Compound (Non- hazardous)	Disposal: Clean Harbors of Braintree, Inc. 385 Quincy Avenue Braintree, Massachusetts 02184 Hauler: Clean Harbors Env. Services, Inc.	05/19/94	220 Gallons
Waste Androx contains formaldehyde (Non- hazardous)	Disposal: Clean Harbors of Braintree, Inc. 385 Quincy Avenue Braintree, Massachusetts 02184 Hauler: Clean Harbors Env. Services, Inc.	05/19/94	275 Gallons
Floor Cleaner (Non- hazardous)	Disposal: Clean Harbors of Braintree, Inc. 385 Quincy Avenue Braintree, Massachusetts 02184 Hauler: Clean Harbors Env. Services, Inc.	05/19/94	55 Gallons
Empty Drums (Non- hazardous)	Disposal: Clean Harbors of Braintree, Inc. 385 Quincy Avenue Braintree, Massachusetts 02184 Hauler: Clean Harbors Env. Services, Inc.	05/19/94	700 Pounds
Waste Paint Related Material (D001, F005)	Disposal: Clean Harbors of Natick, Inc. 10 Mercer Road Natick, Massachusetts 01760 Hauler: Clean Harbors Env. Services, Inc.	06/17/94	20 Pounds
Fuel for Aviation Engine (D001)	Disposal: Clean Harbors of Braintree, Inc. 385 Quincy Avenue Braintree, Massachusetts 02184 Hauler: Clean Harbors Env. Services, Inc.	07/08/94	165 Gallons
Speedy Dry and Kerosene (D001)	Disposal: Clean Harbors of Braintree, Inc. 385 Quincy Avenue Braintree, Massachusetts 02184 Hauler: Clean Harbors Env. Services, Inc.	10/13/94	300 Pounds

Table 4
Transporters and Disposal Facilities

Waste Generated (Currently & Previously)	Name & Address of Waste Hauler & Disposal Facility	Date(s) Waste Was Hauled	Quantity Hauled (Weight/Volume)
Waste Gasoline* (D001, D018)	Disposal: Clean Harbors of Braintree, Inc. 385 Quincy Avenue Braintree, Massachusetts 02184 Hauler: Clean Harbors Env. Services, Inc.	03/11/94	1,750 Pounds
Hydraulic Oil* (Non- Hazardous)	Disposal: Clean Harbors of Braintree, Inc. 385 Quincy Avenue Braintree, Massachusetts 02184 Hauler: Clean Harbors Env. Services, Inc.	03/11/94	605 Gallons

^{*} These wastes were disposed of by USAir operations located at Hancock International Airport under EPA ID#NYD986893303.

Records obtained during the investigation identified waste materials generated by the USAir operations at the Oneida County Airport and transported to a Treatment, Storage and Disposal Facility (TSDF) in the Onondaga Lake drainage area. The following is a listing of the materials which were transported to Solvents & Petroleum, Inc. Copies of the manifests are presented in Attachment D.

Table 5

Transporters and Disposal Facilities
Wastes Generated by USAir Operations at Oneida County Airport

Waste Generated (Currently & Previously)	Name & Address of Waste Hauler & Disposal Facility	Date(s) Waste Was Hauled	Quantity Hauled (Weight/Volume)
Waste Flammable Liquid Contains Toluene (D001)	Disposal: Solvents & Petroleum Service, Inc. 1405 Brewerton Road Syracuse, New York 13203 Hauler: Solvents & Petroleum Service, Inc.	05/01/92 12/19/89 08/04/89 04/03/89 11/30/88 07/15/88 06/15/88 03/31/88 12/01/87 07/28/87 05/12/87 12/29/86 08/28/86	55 Gallons
Waste Oil (D001)	Disposal: Solvents & Petroleum Service, Inc. 1405 Brewerton Road Syracuse, New York 13203 Hauler: Solvents & Petroleum Service, Inc.	05/01/92	110 Gallons
Hazardous Waste Liquid (F001)	Disposal: Solvents & Petroleum Service, Inc. 1405 Brewerton Road Syracuse, New York 13203 Hauler: Solvents & Petroleum Service, Inc.	05/02/87	55 gallons
Waste 1,1,3 Trichlorofluoro- ethane (F001)	Disposal: Solvents & Petroleum Service, Inc. 1405 Brewerton Road Syracuse, New York 13203 Hauler: Solvents & Petroleum Service, Inc.	12/29/86	55 gallons
Waste Petroleum Naphtha (D001)	Disposal: Solvents & Petroleum Service, Inc. 1405 Brewerton Road Syracuse, New York 13203 Hauler: Solvents & Petroleum Service, Inc.	12/29/86	55 gallons
Waste 1,1,1, Trichloroethane	Disposal: Solvents & Petroleum Service, Inc. 1405 Brewerton Road Syracuse, New York 13203 Hauler: Solvents & Petroleum Service, Inc.	8/28/86	55 gallons

The information for Item 8 came from invoices and hazardous waste manifests which are enclosed in Attachments C and D.

- 9. Releases or Discharges of Hazardous Substances, Hazardous Wastes, or Industrial Wastes into the Environment.
- 9a. The only known releases of hazardous substances to the environment consist of petroleum related materials generated as result of accidental spills or releases, deicing fluid used to deice aircraft, and the wash area for GSE which is discharged to the sanitary sewer system. There have been three known incidents of accidental releases of hazardous materials. These releases are summarized in Table 6.

Table 6 Summary of Spills

	Summary or Spins						
Date	Spill Location	Spill Summary and Remedial Action	Quantity Disposed off-site				
2/26/94	Fuel Spill - Gate 3	Departing Crew left wing full boost pumps on and fuel cross feed valve open. All fuel in left wing was pumped into the right wing. When right wing became full, fuel started coming from the vent system leaking from left wing.	2 drums				
	NY Spill #93-13963	Fueler noticed leak and notified operations, who called the Fire Department. Fuel leaked for approximately 2 minutes discharging approximately 50 gallons. Most of the fuel fell on ramp. Personnel cleaned ramp of fuel and shovelled fuel soaked snow into 55 gallon drums. Absorbent material was also used to pick up-fuel on the ramp. The stormwater outlet for this area contains a floating boom type dam that will contain a jet fuel spill. Clean Harbors removed and disposed of fuel trapped by the boom at storm drain outlet.	·				
7/21/94	Fuel Spill - Single Point Fueling Receptacle NY Spill #9405471	When fueler removed fuel hose from single point fueling receptacle, check valve hung open and spilled approximately 10 - 15 gallons of fuel. Fueler contacted Syracuse Airport Fire Department. Clean Harbors was called to spill site and placed a floating absorbent boom on storm drain and diked the area that enters into Ley Creek. Clean Harbors removed fuel from storm drain system and placed a floating absorbent boom inside the floating containment boom at the storm drain outlet. Clean Harbors removed and disposed of the absorbent material.	2 Drums				
7/28/94	Fuel Spill - Left Wing Vent	During wing fueling of an aircraft, spill occurred from left wing vent area when auto fuel system did not close off in time. Fueler and SAIR Aviation cleaned-up small spill. SAIR used own materials except for some absorbent materials provided by USAIR. No fuel reportedly entered storm drains or the environment and all fuel and clean-up materials were removed to the SAIR Aviation Area for proper disposal.	1 Drum				

Stormwater runoff from the area surrounding the fuel farm is collected within a diked area. The stormwater runoff from the fuel farm flows into an oil/water separator and then into Bear Trap Creek. The discharge is covered under a New York State SPDES permit. A copy of the permit is present in Attachment E.

The second potential release of material to the environment by USAir involves deicing fluid. The Federal Aviation Agency requires deicing of aircraft during certain conditions to ensure passenger safety. Deicing of aircraft normally occurs when the ambient air temperature is below 40 degrees Fahrenheit and some form of precipitation is present. Therefore, the discharge has traditionally been intermittent when conditions warrant the aircraft to be deiced prior to departure. By its nature, deicing occurs in the winter months between November and April in the Syracuse, New York area. The deicing fluid contains a mixture of either ethylene or propylene glycol and water. USAir currently uses propylene glycol at the facility.

The quantity and type of deicing fluid used by USAir during the past three winter seasons is illustrated below. Previous usage of deicing fluid was not recorded but is believed to be of similar proportions.

1994/1995 Season
1993/1994 Season
28,428 gallons of propylene glycol.
43,266 gallons of propylene glycol.
18,712 gallons of ethylene glycol.

1992/1993 Season 40,667 gallons of ethylene glycol.

Calendar Year 1991 30,000 (estimate) gallons of ethylene glycol.

Allegheny Airlines, a subsidiary of USAir Group, Inc., also operates at Syracuse Hancock International Airport. SAIR Aviation performs all the necessary services for Allegheny aircraft. According to SAIR Aviation, 5,044 gallons of glycol have been used to date on Allegheny aircraft.

USAir is only one of a number of airlines and delivery service companies which utilize the Syracuse Hancock International Airport and conduct deicing operations. USAir only utilizes between 25 and 30 percent of the deicing fluid used at the airport. The runoff from the airport deicing activities flows into the City of Syracuse Hancock International Airport storm water sewer system. A portion of the deicing fluid will be transported offsite with the aircraft while some will be collected as part of snow removal activities. The storm water drainage system for the terminal area of the airport flows into Ley Creek, which is tributary to Onondaga Lake. Figure 2 illustrates the outlet to Ley Creek and the terminal area where USAir deicing activities occur at the airport.

No analytical data for USAir discharge during deicing activities exists. The City of Syracuse has monitored the seven storm water outfalls of Hancock International Airport. The monitoring conducted by the City of Syracuse will include contributions of other aviation users at the airport and would not be indicative of the actual discharges related to USAir. Analytical data from the airport monitoring can be obtained through the City of Syracuse.

USAir also discharges wastewater from a wash area located in the USAir GSE maintenance area. The discharge flows through an oil/water separator to the sanitary sewer system and to the Publicly Owned Treatment Works (POTW). The wash area is used to clean ground service equipment. The flow through the oil/water separator is intermittent. The wash area utilizes Androx 6086 (formerly Aviawash 5000), which contains sodium metasilicate (CAS # 6834-92-0).

The information for the response for Item 9 was provided by John Wright (USAir), James O'Hara (USAir), and John Messenger (SAIR).

10. Treatment and Pretreatment of Materials Prior To Discharge

The responses to Question 10 are segregated into the two potential discharges from the USAir facility located at the Syracuse International Airport which flow into pretreatment equipment prior to discharge.

Storm Water Runoff from the Fuel Farm

10a. The aboveground bulk storage tanks are located inside an earth dike containment area constructed in accordance with New York State and NFPA 30 requirements. The total capacity of the dike is approximately 427,000 gallons, which is double the design capacity of the largest tank. The SPCC plan, presented in Attachment B, shows the tank layout at the USAir Fuel Farm. All tanks, including the spill tank and oil/water separator, are connected to the central level alarm control panel.

Delivery and loading occurs within reinforced concrete pads with roll type curbs providing containment for potential product spills. The pads are gradually sloped to drop inlets that are connected to a common sand trap and an 8,000 gallon underground spill tank. A submersible pump rated at a maximum of 50 gpm discharges into an oil/water separator, which receives the stormwater runoff from the fuel transfer areas, pump pads and the tank dike area. Effluent from the oil/water separator flows by gravity into the airport storm sewer system and eventually into Bear Trap Creek. Since the pretreatment system for the fuel farm only handles storm water runoff, the discharge from the oil/water separator occurs on an intermittent basis.

- 10b. The existing fuel farm was placed in service in 1989. Therefore, the existing oil/water separator has been in use since that time.
- 10c. The oil/water separator has a design flow rate of 100 gallons per minute and was designed in accordance with API Chapters 3 and 5 of the Manual on Disposal of Refinery Wastes, API-1630, and UL-58. The submersible pump within the spill tank discharging to the oil/water separator is rated at a maximum of 50 gpm.
- 10d. Chemical analysis of the oil/water separator effluent is presented in Table 7. Copies of the analytical results are included in Attachment F.

Table 7
Effluent Data From Oil/Water Separator

Sample	Date	Flow	Oil & Grease	pН	Benzene	Toluene	Xylene	Ethylbenzene
Permit Limits			15 mg/l	6.5-8.5	* (µg/l)	* (μg/l)	(μg/l)	(μg/l)
Effluent	09/91		,	e.	0.82	1.9	1.5	LT 0.5
Effluent	09/91		•		1.6	28.	190	11
Effluent	09/18/91		1.2	6.94	LT 5.0	LT 5.0	. 34	LT 5.0
Effluent	10/21/91		3.7	6.69	LT 2.5	LT 2.5	16	3.7
Effluent	11/22/91		LT 1.0	6.24	LT 5.0	LT 5.0	47	LT 5.0
Effluent	01/06/92		5.5	6.10	9.7	34	95	8.4
Effluent	01/23/92		3.4		4.5	13	62	4
Effluent	02/24/92		3.0		LT 0.5	LT 0.5	LT 1.0	LT 0.5
Effluent	03/23/92		2.8		LT 0.5	LT 0.5	LT 1.0	LT 0.5
Effluent	09/18/92	•	4.6	9.10 (field)	LT 1.0	LT 1.0	LT 1.0	LT 1.0
Effluent	04/16/93		16	7.69	16	31	140	LT 0.50
Effluent	05/05/93		9.9	6.25	20	130	610	17
Effluent	05/06/93		37	6.39				·
Effluent	07/19/93		3.7	6.83	•			-
Effluent	09/02/93			7.14	LT 5.0	LT 5.0	66	LT 5.0
Effluent	09/29/93		11	6.3	13	48	123	13
Effluent	10/20/93			7.11	0.75	16	98	3.1
Effluent	11/19/93		5.2	5.57	1.3	10.4	96	6.8
Effluent	12/17/93		2.3	7.51	LT 0.5	LT 0.5	LT 1.0	LT 0.5
Effluent	04/28/94		5.6	6.67	LT 0.5	LT 0.5	LT 1.0	LT 0.5
Effluent	05/24/94		3.1	7.38	LT 0.5	LT 0.5	LT 1.0	LT 0.5
Effluent	07/06/94		2.1	7.65	LT 0.5	LT 0.5	LT 1.0	LT 0.5

^{*} Action Level - Total of three parameters shall not exceed 0.1 mg/l LT - Less Than

¹⁰e. Effluent from the oil/water separator flows by gravity into the airport storm sewer system and eventually into Bear Trap Creek. The discharge is regulated by an existing SPDES permit. Bear Trap Creek is a tributary of Onondaga Lake.

¹⁰f. The floatable skimmings and sludge bottoms from the oil/water separator are collected and hauled off-site for disposal in accordance with applicable regulations.

Wastewater Discharges from the Wash Area

- 10a. USAir utilizes an oil/water separator as a pretreatment process prior to discharge of wash area effluent to Onondaga County's sanitary sewer system. A design drawing of the separator could not be located during the investigation. The dimensions of the separator are 6 ft. x 3 ft. x 3 ft. for a total volume of approximately 400 gallons.
- 10b. The oil/water separator is believed to have been installed eight to nine years ago.
- 10c. The influent flow to the oil/water separator varies depending on the amount of washing being conducted.
- 10d. There has been no known analysis of the effluent from the oil/water separator.
- 10e. The treated wash water flows into the Onondaga County Sewer System, which flows to the Syracuse Metropolitan treatment plant for further treatment, prior to discharge into Onondaga Lake.
- 10f. The floatable skimmings and sludge bottoms from the oil/water separator are collected and hauled off-site for disposal in accordance with applicable regulations.

The information for the responses for Item 10 was provided by Jim O'Hara (USAir), John Messenger (SAIR), Empire Soils Investigations, Inc. and Jim Aslop (S&S Mechanical).

11. Persons and Entities Who Determine How To Treat, Store and/or Dispose Of Hazardous Substances, Hazardous Wastes, or Industrial Wastes

The following is a listing of personnel and entities who determined how to treat, store, and/or dispose of waste materials generated at the USAir line maintenance facility located at Syracuse Hancock International Airport:

Mr. Donald Gilfus (USAir) - Deceased August, 1993

Mr. James O'Hara - USAir, Inc. USAir Group, Inc. Syracuse Hancock International Airport North Syracuse, New York 13212

USAir Group, Inc. - Environmental Programs Department Pittsburgh International Airport P.O. Box 12346 Pittsburgh, Pennsylvania 15231-0346

SAIR Aviation, Inc.
Syracuse Hancock International Airport
North Syracuse, New York 13212

Clean Harbors Environmental Services, Inc. Syracuse Service Center P.O. Box 6789
Syracuse, New York 13217

12. Sources of Information for Responses to Questions 6-10.

The sources of information for the responses in Questions 6-10 include the following individuals:

Mr. James O'Hara, Line Maintenance Foreman USAir, Inc.
Syracuse Hancock International Airport
North Syracuse, New York 13212

Mr. Sal J. Pusateri, Customer Service Manager USAir, Inc.
Syracuse Hancock International Airport
North Syracuse, New York 13212

Monica Roye, Esquire
Assistant General Counsel
USAir, Inc.
Crystal Park # 4
2345 Crystal Drive,
Eighth Floor
Arlington, Virginia 22227

John Wright, Environmental Engineer USAir, Inc.
Pittsburgh International Airport
P.O. Box 12346
Pittsburgh, Pennsylvania 15231-0346

John Messenger, Vice President SAIR Aviation, Inc. Syracuse Hancock International Airport North Syracuse, New York 13212

Empire Soils Investigations, Inc. 105 Corona Avenue Groton, New York 13073

Jim Aslop S&S Mechanical 8174 Kneeshern Road Brewerton, New York 13030

Hazardous Waste Manifests (1990 through 1994)
Bison Oil Invoices (1992 through 1994)
Ace Sanitary Haulers, Inc. Invoices
Androx Material Safety Data Sheet
Spill Prevention Control and Countermeasure Plan, June 1994

13. Copies of Applicable Permits

Copies of the following items have been included in the attached documentation.

SPCC Plan Attachment B
SPDES Permit Application Attachment E
Major Petroleum Facility License Attachment G

Based on the information provided during this investigation, no other Federal, State or local environmental permits are known to exist for the facility. In addition, no known Notices of Violation, administrative or judicial complaints, or judicial complaints by public interest groups exist for the facility.

14. List of Insurance Policies Indemnifying USAir from Liability.

USAir is self insured and does not retain an insurance policy that may indemnify the company against any liability that may incur in connection with the release of any hazardous substances and/or hazardous wastes at the Syracuse Hancock International Airport.

15. Additional Information

USAir is just one of many airlines that occupy the City of Syracuse Hancock International Airport. Any potential contamination traced to the Airport may not be the responsibility of USAir or its predecessors.

16. Individuals and Entities Who Assisted in Preparation of Responses

The name, title and address of each individual consulted in the preparation of this response is listed below:

Mr. James O'Hara, Line Maintenance Foreman USAir, Inc.
Syracuse Hancock International Airport North Syracuse, New York 13212

Mr. Sal J. Pusateri, Customer Service Manager USAir, Inc.
Syracuse Hancock International Airport North Syracuse, New York 13212

Monica Roye, Esquire, Assistant General Counsel USAir, Inc.
Crystal Park # 4
2345 Crystal Drive,
Eighth Floor
Arlington, Virginia 22227

John Wright, Environmental Engineer USAir, Inc.
Pittsburgh International Airport
P.O. Box 12346
Pittsburgh, Pennsylvania 15231-0346

John Trendowski, Project Engineer C&S Engineers, Inc. 1099 Airport Boulevard North Syracuse, New York 13212

John Messenger, Vice President SAIR Aviation, Inc.
Syracuse Hancock International Airport
North Syracuse, New York 13212

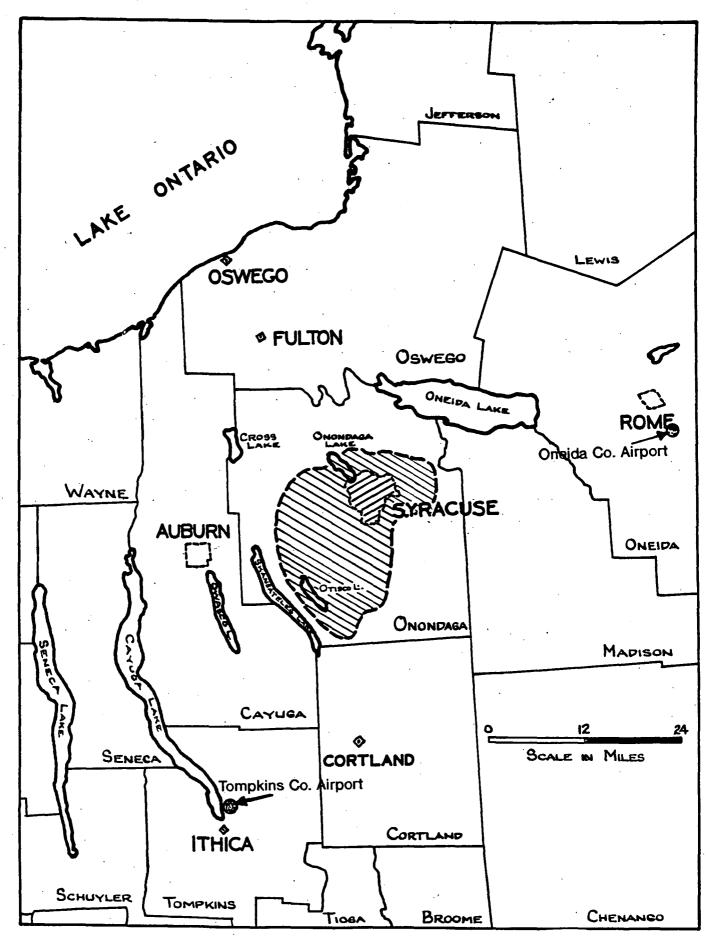
Empire Soils Investigations, Inc. 105 Corona Avenue Groton, New York 13073

Jim Aslop S&S Mechanical of CNY, Inc. 8174 Kneeshern Road Brewerton, New York 13030

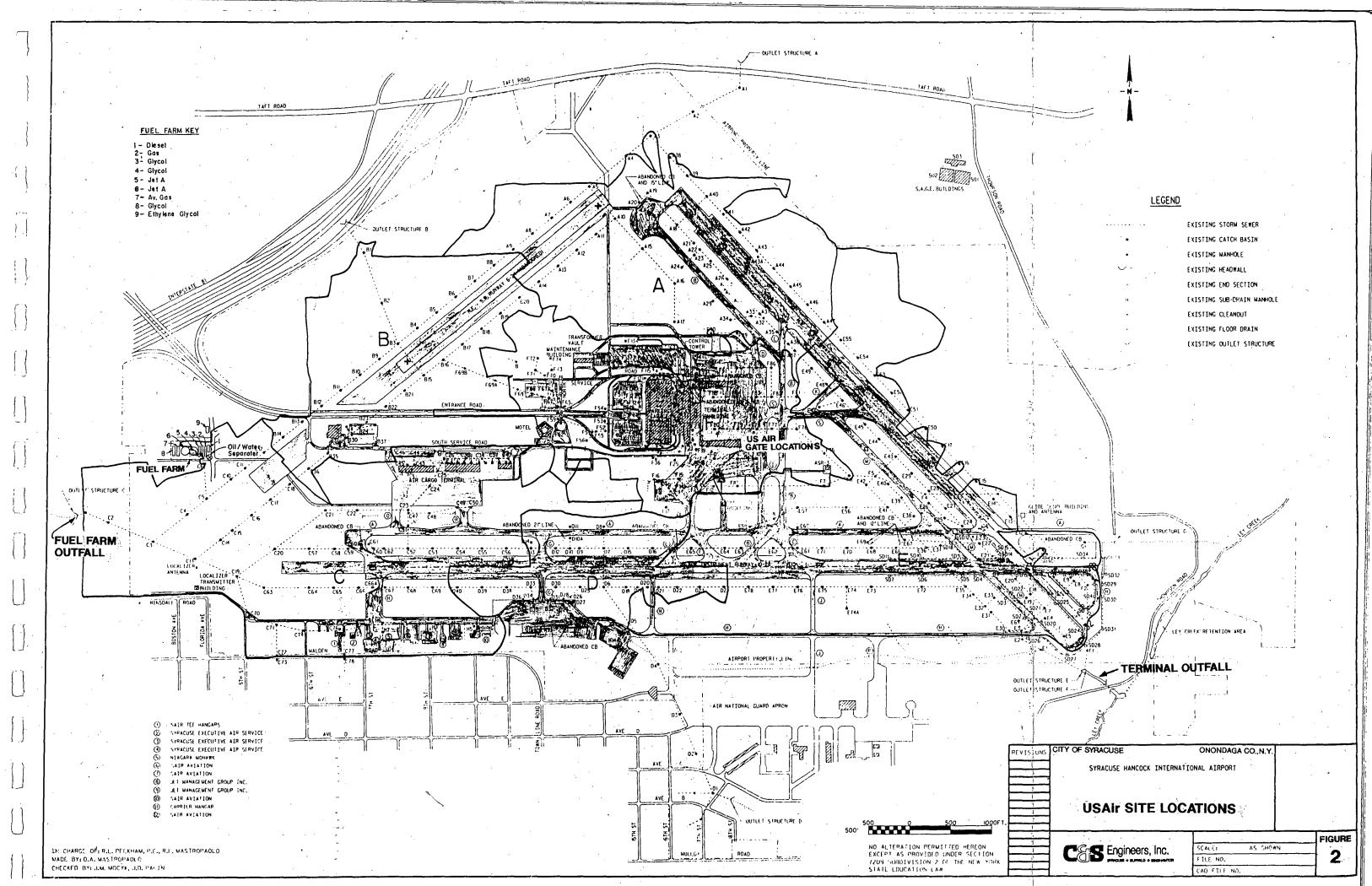
The assistance these individuals provided in responding to the various questions has been designated within each item.

June 1, 1995

FIGURES



ONONDAGA LAKE DRAINAGE BASIN



ATTACHMENT A

CORRESPONDENCE FROM NYSDEC

New York State Department of Environmental Conservation Division of Hazardous Waste Remediation 50 Wolf Road Room 212 Albany, New York 12233-7010



June 3, 1995 per Scott Crisafull

Telephone: (518) 457-5861

APR 7 1995

Mr. John R. Trendowski, P.E. C & S Engineers 1099 Airport Blvd. North Syracuse, N.Y. 13212

Re: U.S. Air: CERCLA 104(e) Time Extension

Dear Mr. Trendowski:

The purpose of this letter is to formally notify you, as consultant to U.S. Air, that, pursuant to your conversation with a member of the Department's legal staff, and your following written request, a sixty (60) day time extension (90 days total) is provided to U.S. Air to respond to the above-referenced "Request for Information." Senator John DeFrancisco and Assemblyman Michael Bragman have expressed their concern to the Department that the request might place undue fiscal and scheduling burdens upon your company. To address this concern, shared by Commissioner Zagata, an extension of the response period is warranted. Accordingly, U.S. Air's response should now be postmarked or received by EPA and the Department by May 5, 1995. The recipients of your response will remain as indicated in the Department's original "Request for Information."

Regarding your desire to answer the information request only for the U.S. Air facility at Syracuse's Hancock International Airport, that is acceptable provided that the facilities in Tompkins and Oneida counties did not transport any hazardous or other waste substances for disposal within the Onondaga Lake drainage Basin. If either of these facilities disposed of any such substances within the drainage basin then EPA and the Department request to be informed about these disposals. In addition, if U.S. Air has any other facilities within the drainage basin information regarding these facilities must be provided. Otherwise, U.S. Air may respond to the request only for the Hancock facility. EPA and the Department reserve the right to request that the information regarding the other two facilities be submitted later.

If at the end of the time extension U.S. Air needs more time to properly respond to the information request, or if you have any further questions concerning this "Request for Information," please contact William Daigle at (518) 457-1741, or William Little at (518) 457-7821. Please direct all legal matters to Mr. Little. Communications specifically addressing issues of federal law should be raised with George Shanahan, USEPA, at (212) 637-3171.

Your cooperation is appreciated.

Sincerely,

Michael J. O Toole, Jr.

Director, Division of

Hazardous Waste Remediation

New York State Department of Environmental Conservation Division of Hazardous Waste Remediation 50 Wolf Road Room 212 Albany, New York 12233-7010



Telephone: (518) 457-5861

Mr. John R. Trendowski, P.E. C & S Engineers 1099 Airport Blvd. North Syracuse, N.Y. 13212

Re: U.S. Air: CERCLA 104(e) Time Extension

Dear Mr. Trendowski:

Pursuant to our phone conversation yesterday, this correspondence corrects the deadline for U.S. Air's response in the above referenced matter. In the April 7, 1995 correspondence from the Department to U.S. Air the deadline for U.S. Air's response was incorrectly listed as May 5, 1995. The actual deadline for U.S. Air's response is June 3, 1995. This date gives U.S. Air 90 days from the date of receipt of the information request to respond.

I apologize for any inconvenience this error may have caused. If you have any further questions do not hesitate to call me. Thank you.

Sincerely Yours,

Scott W. Crisafulli Onondaga Lake Unit

It Canfold

ATTACHMENT B

SPCC PLAN

SPILL PREVENTION CONTROL AND COUNTERMEASURE PLAN

FOR

USAIR FUEL FACILITY

SYRACUSE HANCOCK
INTERNATIONAL AIRPORT

June 1994

Prepared by:

C&S Engineers, Inc. 1020 Seventh North Street Liverpool, New York 13088

LIST OF EMERGENCY TELEPHONE NUMBERS

AGENCY Airport Rescue Fire Fighters	CONTACT Tim Huppman — Chief	TELEPHONE (315) 455-6333
Onondaga County Emergency Services		911
Sair Aviation	Dean Hamm John Messenger	(315) 455–2713 (315) 455–7951
City of Syracuse Department of Aviation	Charles Everett Commissioner	(315) 454–3263
NYSDEC Spill Hotline NYSDEC—Region 7 Syracuse, New York	Richard J. Brezell Regional Spill Engineer	1-800-457-7362 (315) 426-7519
USAir Line Maintenance	James O'Hara	(315) 455–1655
Airport Maintenance Department	Bob Radway	(315) 455–1477
Syracuse Fire Prevention Bureau	Jay Seitz	(315) 473–3296

SPILLS OF PETROLEUM MUST BE REPORTED TO THE NYSDEC WITHIN TWO HOURS.

Commercial Spill Response Contractors (partial list only)

Contracted Waste Hauler

*.	Clean Harbors Environmental Services	(315) 463–1349
•	Environmental Products and Services	(315) 471–0503 (800) THE-TANK
•	Op-Tech Environmental Services	(315) 463–1643 (800) 225–6750

^{*}Contracted Waste Hauler

GENERAL FACILITY INFORMATION AND CERTIFICATIONS

A. Facility: USAir Fuel Facility

Syracuse Hancock International Airport

Syracuse, New York 13211

(315) 455-1655

B. Operator:

Sair Aviation

1801 Malden Road

Syracuse, New York 13211

(315) 455-7951

C. Owner:

USAir, Inc.

Crystal Park 4 — 2345 Crystal Drive

Arlington, Virginia 22227

(315) 455-2713

D. Designated person responsible for oil spill prevention and response:

Dean Hamm — Sair Aviation

E. Contracted Waste Hauler:

Clean Harbors Environmental Services

6481 Ridings Road

Syracuse, New York 13206

(315) 463-1349

MANAGEMENT APPROVAL

This SPCC Plan will be implemented as herein described.

Signature:

Howard H. Haglund, Jr. - USAir

CERTIFICATION

I hereby certify that my staff has examined the facility, and being familiar with the provisions of 40 CFR Part 112, attest that this SPCC Plan has been prepared in accordance with 40 CFR 112 and good engineering practice.

Scot McClintock, P.E., CVS

New York State Registration No. 056685

Date: 6/30/94

(seal)

TABLE OF CONTENTS

List of	Emerg	gency Phone Numbers	•		•	• •		i
Signati	ure Pag	ge				•	• •	ii
SECTI	ION 1	- INTRODUCTION						
•	1.01	Purpose and Scope					.1	- 1
*	1.02	Location					.1	- 2
	1.03	Facility Operation						
	1.04	Spill History						
Certifi	cate of	f Substantial Harm Determination Form	• •				. 1	- 3
	•							
SECTI		- FACILITY DESCRIPTION						
	2.01	Spill Potential			, ,		.2	- 1
	2.02	Storage Volume					.2	- 2
	2.03	Delivery/Loading System						
÷	2.04	Pumps and Piping					.2	- 5
	2.05	Bulk Storage Tanks						
	2.06	Containment Dike					.2	- 9
	2.07	Drainage						
	2.08	Security						
SECTI	ION 3	- INSPECTIONS AND RECORDS					3	1
SECT	3.01	Procedures						
	3.02	Corrective Action						
0T 0T								
SECT		— PERSONNEL TRAINING						
÷	4.01	Instruction						
*	4.02	Spill Prevention Briefings	•	• •	•		. 4	- 2
SECT	ION 5	- FIRE AND EXPLOSION HAZARDS		٠,				
*	5.01	General Information					.5	- 1
•	5.02	Emergency Response Coordination						
	5.03	Emergency Response Actions for Petroleum Product Spills						
	5.04	Spill Reporting						
	5.05	Spill Potential Analysis						
SECT	ION 6	- SPILL CONTROL PROCEDURES						
	6.01	General					6	- 1
	6.02	Safety Regulations						
	6.03	Spill Response						
	6.04	Surface Spill Cleanup						
	0.0 7	ourited opin Cicaliup	•	• •		• ,• ,	. 0	- -
Appen	dix A -	— Site Plans						
		- Inspection and Reporting Forms						
		- Record Drawing of USAir Facility						

SECTION 1 — INTRODUCTION

1.01 PURPOSE AND SCOPE

- A. Pursuant to the Federal Water Pollution Control Act, as amended (Public Law 92-500), on-shore facilities with an aboveground storage tank capacity in excess of 660 gallons which may reasonably be expected to discharge oil into the navigable waters of the United States (or tributaries thereof) are required to prepare a Spill Prevention Control and Countermeasure Plan (SPCC) in accordance with Federal Regulation 40 CFR 112. This document has been prepared, in accordance with the guidelines established by the American Petroleum Institute (API), to fulfill these requirements.
- B. This Plan is intended to provide basic spill prevention guidance to support a trained, prepared, and equipped staff. Safety and protection from fire and environmental damage is the responsibility of the entire facility staff. This Plan is no substitute for alert and conscientious actions by facility personnel.
- C. SPCC plans must be reviewed/updated every three years and must be amended no later than six months following any significant change in the facility or operation that would affect the potential of a spill, i.e., more tanks, higher through-put, improved dikes, etc. Any amendment requires certification by a Registered Professional Engineer. If the three year review and update of the plan reveals that no amendment is needed, then an engineering certification is not needed. In all cases, a three year review/update or amendments to the plan require current management approval.

1.02 Location

The USAir Fuel Facility is a bulk storage and handling system which was constructed during the summer of 1988 and started operation on December 15, 1988. The facility is located at Syracuse Hancock International Airport on a 1.66 acre parcel of land leased by the City of Syracuse to USAir Airlines. The facility is located remotely from the Airport Terminal Area (refer to Figure No. 1 and No. 2).

1.03 Facility Operation

Sair Aviation operates the USAir Fuel Facility at Syracuse Hancock International Airport. The facility handles jet-A fuel, diesel fuel, unleaded gasoline, and glycol deicing fluid for aircraft and ground support vehicles at the Airport. The average annual through-put totals 227 million gallons of jet-fuel. Operations are year round, seven days a week, whenever the airport is open.

1.04 Spill History

According to the NYSDEC inventory of reported spills dating from May 1993 to May 1994, no spills have been reported at the USAir fuel facility. By way of an amendment to this section of the SPCC Plan, a written description of each and every future spill, the corrective action taken and suggestions for preventing a recurrence will be recorded and maintained on file at the facility. A sample Spill Report Form is included in Appendix B. This form will be used to record appropriate information in the event of a reportable spill.

Certificate of Substantial Harm Determination Form

Facil	ity Name — USAir Fuel Facility
Facil	ity Address — Syracuse Hancock International Airport, Syracuse, New York
1.	Does the facility have a maximum storage capacity greater than or equal to 42,000 gallons and do the operations include over water transfers of oil to or from vessels? Yes No No
2.	Does the facility have a maximum storage capacity greater than or equal to one million (1,000,000) gallons and is the facility without secondary containment for each aboveground storage area sufficiently large to contain the capacity of the largest aboveground storage tank within the storage area? Yes No No
3.	Does the facility have a maximum storage capacity greater than or equal to one million (1,000,000) gallons and is the facility located at a distance such that the discharge from the facility could cause injury to an environmentally sensitive area? Yes No No
4.	Does the facility have a maximum storage capacity greater than or equal to one million (1,000,000) gallons and is the facility located at a distance such that a discharge from the facility would shut down a public drinking water intake? Yes No No
5.	Does the facility have a maximum storage capacity greater than or equal to one million (1,000,000) gallons and within the past five years, has the facility experienced a reportable spill in an amount greater than or equal to 10,000 gallons? Yes No No
Cert	I certify under penalty of law that I have personally examined and am familiar with the information submitted on this form, and that based on my inquiry of those individuals responsible for obtaining this information, I believe that the submitted information is true, accurate, and complete. Signature Howard H. Haglund, Jr. Date: 4/9/94
	Company — USAir

SECTION 2 — FACILITY DESCRIPTION

2.01 Spill Potential

- A. The facility has been designed and constructed to meet current Federal, State, and local regulations and codes. Precautions have been taken to prevent both surface and subsurface spills, and to minimize their effect on the environment. The highest probability for a major spill event is recognized to be through human error. Product is delivered to the airport by over-the-road tanker trucks owned by the distributor. Drivers are responsible for handling their own delivery operations. All personnel engaged in the transfer of product have been properly trained and supervised to become familiar with the various systems of the facility. By following proper procedures and being alert, plus having built-in safety controls, substantial spills can be avoided. A spill potential analysis for each tank at the facility is presented in Section 5.05 of this SPCC plan.
- B. The facility includes aboveground storage tanks located within an impervious dike designed to hold over 110% of the volume of the largest tank, plus added volume for incindental precipitation. Prior to filling, storage tanks shall be physically checked to ensure the tank has sufficient storage capacity to receive the volume of product being delivered. Thermal expansion has been considered to determine automatic shut-off levels. Hoses and equipment will be checked for leaks at the start of each transfer operation. Deadman controls are provided to ensure manual operation.

C. Aircraft refuelers, whether employees of an airline or the fixed base operator, (FBO), are required to follow all the safety procedures set forth by the facility owner and operator. Refueler drivers will also be responsible for their own fueling operations and safety checks.

2.02 Storage Volume

A. Table No. 1 (below) presents a complete listing of all storage tanks at the facility including layout reference number (See Fig. No. 3), product, capacity, pumping rate, and construction type.

TABLE NO. 1
STORAGE TANKS

		Design	Working Capacity	Flow	
Tank No.	Product	Capacity (Gal.)	(Gal.)	Rate (GPM)	Type
1	Diesel	1,000	890	100	Horizontal
2	Unleaded Gas	20,000	18,097	200	Horizontal
3	Glycol Fluid	20,000	18,097	200	Horizontal
4	Glycol Fluid	20,000	18,097	200	Horizontal
5	Jet-A	210,000	186,113	400	Vertical
6	Jet-A	210,000	188,863	400	Vertical
7	Slop	500	500	· NA	Vertical
8	Type 2 Anti-icing Flu	id 10,000	•		Horizontal (vaulted)
Q	Future	·			

B. Table No. 2 presents all the product piping systems, size and approximate volume.

TABLE No. 2

PRODUCT PIPING

Product		Dia	ameter (inches	s)·	Capacity (Gallons)
Diesel			2		46
Gasoline	•		4		186
Glycol		•	4		211
Jet-A	· · · · · · · · · · · · · · · · · · ·		6 & 8		1,247

2.03 Delivery/Loading System

- A. Tank Trucks and Refuelers tank trucks must be attended by a "qualified" person at all times during product transfer operations. A "qualified" person is one who is aware of the characteristics of the material being handled, has been instructed on the procedures to be followed in an emergency, and is authorized to move the vehicle. Drivers are responsible for loading and unloading their own vehicles.
- B. Vehicle Inspection Drivers shall be responsible for inspecting all connections and outlets on their vehicle for leakage. If necessary, make required adjustments or repairs immediately to prevent any liquid leakage in transit. Vehicles shall be maintained in good operating condition with all safety equipment functioning properly.
- C. Equipment Table No. 3 below, outlines the facility product handling systems.

TABLE NO. 3
PUMPING SYSTEMS

Product	Description	Flow Rate (GPM)
Diesel Fuel	Delivery — One station with hose connection, ball, and check valve	100
1	Loading — One remote dispenser on island	20
Gasoline	Delivery — One station with hose connection, ball, and check valve	200
Glycol Fluid	Delivery — One Station with hose connection, ball, and check valve	200
	Loading — One top loading station with "future" bottom loading provisions	200
Jet-A	Delivery — Two stations with dry-break coupler, hose and valves	400 each
	Loading — Two bottom loading stations on islands	400 each

- D. Controls Each pump system is equipped with a positive displacement flow meter, totalizer, ticket printer, and key lock. An electric deadman switch controls the pump circuits on Jet-A delivery, Jet-A loading and gasoline loading. Deadmen must be held closed by the driver to keep pumps running. Delivery pumps are interlocked with the storage tank level alarm system to automatically shut down on "hi-hi" level signal. Preset controls for Jet-A and gasoline loading allow the driver to select the exact amount of product to be received. Flow control valves are set for two-stage reduced-flow start and stop operation. Additional safety and fail-safe engineering features incorporated into the facility are discussed further in this plan.
- E. Spill Containment Reinforced concrete pads with roll type curbs provide containment for product spills (See Figure No. 4). All pads are gradually sloped to drop inlets that are connected to a common sand trap and 8,000 gallon underground spill tank. All spills shall be cleaned up in accordance with this SPCC Plan and as directed by airport authorities. The concrete pad and roll curbing, combined with the spill tank, are adequate to contain a release from a single tanker or vehicle compartment, approximately 5,000 gallons, and runoff from a 10-year, one-hour storm.

F. Vehicular Traffic — The facility is laid out so that all traffic movement is in one direction only (See Figure No. 2). Concrete barriers and curbs protect the integrity of aboveground piping and equipment. Traffic and information signs direct vehicles into and out of the facility from the airport entrance road. Pavement surfaces have been upgraded to handle the increased traffic on service roads. The Airport Maintenance Department provides grass cutting and snow removal services at the facility. Access to the facility is restricted to authorized personnel only, as detailed in Section 2.08.

2.04 PUMPS AND PIPING

- A. Equipment Pads Reinforced concrete spill pads, with approximately 6-inch high curbs, and integrated catch basins within the floor of the concrete pads provide spill containment for all pumps, strainers, and filter vessels located outside the dike area. The catch basins, within the concrete floor of the equipment pads, are connected to the 8,000 gallon spill tank.
- B. Pipe Supports Pipe supports are designed to minimize abrasion caused by expansion and contraction. Fabricated steel pipe supports are supported by concrete foundations. Pipe and supports have been painted with a chemical and petroleum resistant alkyd enamel coating to resist corrosion. Piping and equipment are color coded and marked for rapid identification.
- C. Underground Piping All underground piping at the facility is cathodically protected, welded steel pipe. Corrosion protection is provide by either sacrificial anodes or the impressed current rectifier system. The system was designed by

and installed under the direction of Matcor, Inc., Doylestown, Pennsylvania. Monitoring and maintenance of the system is the responsibility of the operator. If, in the future, a section of buried pipe is exposed for any reason, that section of pipe shall be closely examined for any signs of deterioration. If the inspection reveals corrosion damage, the affected section of piping shall be repaired or replaced.

- D. Valve and Pipeline Inspection During normal operating procedures, FAA Certification Inspections, and monthly operator inspections, all aboveground valves, pumps, meters, and piping shall be visually examined. Pressure testing of piping after initial start-up is not required, however flanged fittings are provided so all underground lines may be isolated if testing is needed in the future. Visual inspection checks shall include examining exterior surfaces of piping, valves, and equipment for leaks and maintenance deficiencies; identifying cracks, wear, corrosion, settlement of structures, malfunctioning equipment; inspecting, and monitoring leak detection systems, cathodic protection, and safety systems.
- E. Leak Detectors Pump systems for remote glycol and motor fuel dispensing stations are equipped with a line leak sensor to detect pressure loss on the discharge side of the pump. Upon sensing a leak, the valve will automatically shut down the system.

F. Inactive Piping — Permanently inactive or obsolete piping shall be removed.

Pipe connections which are out-of-service for thirty or more days shall be plugged, capped, locked, or blank-flanged to prevent unauthorized use. Facilities to be taken out-of-service permanently shall be closed in accordance with 6 NYCRR Part 613 "Handling and Storage of Petroleum."

2.05 BULK STORAGE TANKS

- A. Horizontal Tanks Aboveground, horizontal, welded steel tanks are used for storage of diesel fuel, gasoline, glycol, and waste fuel. Tanks were fabricated to Underwriter's Laboratories Standard 142 for Steel Aboveground Tanks for Flammable and Combustible Liquids and NFPA 30. Tanks are supported by short steel saddles bolted to concrete foundations. Tanks have both exterior and interior lap welded joints to resist corrosion. Diesel and gasoline fuel tanks are epoxy lined. Exterior surfaces have been sandblasted, primed, and given two coats of white alkyd enamel. Ladders and walkways on each tank are provided for manual level measurement and maintenance.
- B. Vertical Tanks Aboveground, vertical, cone roof, low pressure, welded steel tanks are used for storage of Jet-A fuel. Tanks were fabricated and tested in accordance with API 650 welded steel tanks for oil storage (with Appendices G and H). The tanks are erected on a reinforced concrete ringwall foundation. A 30 mil thick PVC impervious liner is located 12 inches under the tank bottom and covered with coarse sand. Two 1½ inch slotted PVC drip pipes are laid under the tank and daylight outside the foundation to allow visual

monitoring for the presence of petroleum. Interior of the tank is coated with epoxy and the exterior with two coats of self-priming epoxy and a polyurethane top coat. The tank bottom is protected from corrosion by the impressed current cathodic protection system. A spiral stairway and cross-over walkway allow access to the top of both tanks.

- C. Level Alarm System All tanks located at the facility, including the spill tank and oil/water separator, are connected to the central level alarm control panel. Bulk storage tanks are equipped with liquid level sensors to detect overfill levels. High level points will sound a warning alarm horn on the exterior of the electrical building, adjacent to the operator's station and activate tank "high level" indictor light. The "hi-hi" level switch of each tank is interlocked with the motor control center and will automatically shut down the respective delivery pump if the tank is at risk of being overfilled. Pumps cannot be restarted until the product level is lowered in the tank and the system "reset" button is activated.
- D. Fail Safe Valves The suction line for the Jet-A pumps is controlled by a hydraulic actuated, cast steel diaphragm valve. The valve is normally closed and is opened only when the delivery pumps are running. In the event of either a power failure or fire, the valve will automatically close and prevent fuel from draining out of the dike area.

2.06 CONTAINMENT DIKE

- A. Design Criteria In accordance with State and NFPA 30 requirements, the aboveground bulk storage tanks are located inside an earth diked containment area. Total liquid capacity of the dike is approximately 427,000 gallons. Storage volume is provided for winter time precipitation, when for extended periods the drainage system may be frozen. Total snow and rainfall from mid December to mid March averages around 7.8 inches, which equals 96,957 gallons. The excess storage volume provides a safety allowance for fire fighting flows.
- B. Construction The dike area is built on the compacted existing soil. A minimum of 6 inches of approved natural clay soil serves as an impervious lining material. The clay has been placed and compacted to 90 percent of maximum density in accordance with ASTM D698. A 3-inch thick crushed stone surface course protects the clay from foot traffic inside the dike and help maintain adequate moisture content.
- C. Drainage Stormwater in the dike collects in a swale area behind the tanks. A shallow catch basin is connected to the dike pump station to allow controlled removal of precipitation (see Section 2.07).

2.07 DRAINAGE

- A. Transfer and Pump Pads surface runoff from the concrete pads is collected by a network of cathodically protected underground pipes that discharge into a precast concrete manhole. This structure acts as a sand trap to prevent plugging of the spill tank and oil/water separator. A removable cover allows access for periodic cleaning and inspections.
- B. Spill Tank An 8,000 gallon underground, steel tank is used to hold stormwater and spilled product. A submersible pump is rated at a maximum of 50 gpm max. and discharges to the oil/water separator. The pump is manually started and has a low level shut-off float. The tank is designed to meet UL-58 "Standard for Steel Underground Tanks for Flammable and Combustible Liquids" and has cathodic protection. Access manways are provided for tank inspection and cleaning. A high level sensor is connected to the Central Alarm Panel. A syphon break check valve prevents gravity flow when the pump is shut off.
- C. Dike Pump Station Stormwater collecting within the dike is removed by a second sump pump located on a precast manhole built into the dike berm. The pump is rated at 50 gpm max. and discharges to the oil/water separator. The pump is manually started and has a low level shut-off float. A syphon break on the discharge line prevents gravity flow out of the Jet-A tanks.

- D. Oil/Water Separator An underground cylindrical parallel plate type separator receives all stormwater runoff from fuel transfer areas, pump pads and the tank dike area. The separator has a total capacity of 1,000 gallons. This unit has a design flow rate of 100 gpm. The separator was designed in accordance with API Chapters 3 and 5 of the Manual on Disposal of Refinery Wastes, API-1630, and UL-58. Access manholes and a manual hand pump are provided for periodic inspection sampling and petroleum removal. A high oil level float is designed to activate an audible alarm signal upon oil level in the oil/water separator reaching approximately 50% of total capacity. The entire system is cathodically protected against corrosion.
- E. Discharge Effluent from the oil/water separator flows via gravity to a sampling manhole of the airport storm sewer system which discharges into Bear Trap Creek (See Fig. No. 3). The effluent must not exceed the NYSDEC limits of 15 mg/l oil and grease content, and 0.1 mg/l total for benzene, toluene, and xylene as specified in the State Pollutant Discharge Elimination System (SPDES) Permit issued to the facility. Monitoring and sampling of the wastewater shall be in accordance with the schedule set forth in the SPDES Permit (Appendix B).
- F. Operating Procedure At the start of each work day, the operator shall visually inspect the collected stormwater in the 8,000 gallon spill tank and the dike catch basin (sand trap) for the presence of petroleum. If there is no accumulation of petroleum product, the operator shall manually start the sump pump to pump the contents to the oil/water separator. Only one of the sump pumps can be operated at a time. Low level floats will automatically stop the sump pumps. If a spill

should occur while the pumps are running the operator or driver will be able to stop them by pushing any one of the "Emergency Power" buttons located at the dispensing islands and electrical building. Note that glycol will not be removed by the separator and must be recovered by other methods.

G. Waste Product — Waste shall be removed by a permitted waste hauler licensed in New York State under 6 NYCRR Part 364. Sediment shall be periodically removed from the sand traps, catch basins, and oil water separator and disposed of in a manner consistent with applicable State, Federal, and local regulations. All liquid wastes and contaminated material shall be handled in strict conformance with Federal and State guidelines. The Owner has contracted with the licensed waste hauler identified in page i and ii of this SPCC Plan to remove wastes and assist in any spill cleanup.

2.08 SECURITY

- A. Fencing The USAir fuel facility is located within the airport security fencing.

 Chain link fence, eight feet high with three strands of barbed wire, encloses the perimeter. Access to the facility for tanker trucks is through a card activated gate located near the air cargo road entrance. Tanker trucks are escorted by operations personnel throughout the delivery. Only authorized personnel are allowed to enter the fenced in areas of the airport.
- B. Signage Traffic control and information signs are posted to direct drivers in and out of the facility. Delivery vehicles are restricted to the fuel facility area only.

- C. Pump Controls All electrical pump controls for delivery and loading of product will be kept in the off position until activated by a key lock switch. The owner will issue keys to only those drivers authorized to handle specific products.
- D. Meters Positive displacement meters with ticket printers will be provided for all delivery and loading systems. Product inventory control is the responsibility of the facility operator. Inventory records will be made available for review upon request.
- E. Electrical Building Access to the water and control panel monitoring room in the electrical building is open to all personnel for recordkeeping, viewing the fire alarm control panel and tank level alarm panel, and operating the water fill system for deicing trucks. The door to the electrical room is kept locked with access limited to the operator.
- F. Valves All tank drain valves and valves not in use shall be chain/padlocked.
- G. Lighting The facility is well lighted to enable night time operation, visual inspection, and discourage vandalism. Light poles are located on the islands and along the front and back side of the dike to light the operating area.

SECTION 3 — INSPECTIONS AND RECORDS

3.01 Procedures

- A. Inspection The facility is subject to required NYSDEC monthly inspections as per 6 NYCRR Part 613.6 by the facility operator. Inspections must include the following:
 - Inspecting exterior surfaces of tanks, pipes, valves, and other equipment for leaks and maintenance deficiencies;
 - 2. Identifying cracks, areas of wear, corrosion and thinning, pool maintenance and operating practices, excessive settlement of structures or separation or swelling of tank insulation, malfunctioning equipment and structural and foundation weaknesses; and
 - 3. Inspecting and monitoring all leak detection systems, cathodic protection monitoring equipment, or other monitoring or warning systems which may be in place at the facility.

The federal aviation administration will conduct on-site inspections of the facility for safety and operating standards. The owner will also require annual inspection of all tanks in accordance with the Air Transportation Associations Specification No. 103 "Airport Fuel Inspection and Testing" and API — Guide for Inspection of Refinery Equipment Chapter XIII "Atmospheric and Low-Pressure Storage Tanks."

B. Reports — Monthly inspection reports shall be maintained by the facility operator and made available for review by the State upon request for a period of at least ten years. Sample report forms are included in Appendix B. Reports must include the following information:

- 1. Facility Registration Number
- 2. Tank Identification Number and Product
- 3. Date of Inspection
- 4. Results and Recommendations
- 5. Certification that inspection was done in accordance with approved methods
- 6. Inspectors address and signature

3.02 Corrective Action

- A. Repairs If any inspection reveals a problem or equipment deficiency that could potentially result in the failure of the facility to properly contain the stored product, remedial action must be taken immediately.
- B. Uninspected Facilities If required inspections are not made, the uninspected portion of the facility must be taken out-of-service in accordance with State guidelines.
- C. Certification All repairs and corrective measures shall be documented. Tanks and piping systems shall be tested prior to being put back into service.
- D. Notification All spills, leaks, or discharges of petroleum outside the limits of the containment system must be reported to the Owner, Airport Management, and the New York State Department of Environmental Conservation within two hours of discovery. Notification shall be made by calling the Emergency Telephone Numbers listed inside the front cover of this SPCC Plan.

SECTION 4 — PERSONNEL TRAINING

4.01 Instruction

A. Tanker Truck Drivers — Carriers who provide product to the facility should be responsible, as part of their delivery agreement, to be trained in the proper operation and maintenance of equipment and in proper safety procedures to prevent discharges. Carriers should also be contractually obligated to perform necessary remedial actions when they are responsible for spills, and to provide complete notification to appropriate authorities, as well as to the Operations staff, of all spills.

The facility operator shall be present to familiarize all new drivers with facilities systems. To further inform themselves of applicable pollution control procedures, rules and regulations, drivers will be required to read and become familiar with this SPCC Plan. Copies will be issued to all companies delivering to the facility.

As per 6 NYCRR Part 613.3, the operator, when on the premises or when in control of a petroleum transfer, shall be responsible for transfer activities. If the operator is not on the premises or not in control of a petroleum transfer, the carrier will be responsible for transfer activities. The operator or carrier must employ practices for preventing transfer spills and accidental discharges. Prior to the transfer, the operator or carrier must determine that the receiving tank has available capacity to receive the volume of petroleum to be transferred. The operator or carrier must monitor every aspect of the delivery and must take immediate action to stop the flow of petroleum when the working capacity of the tank has been reached or should an equipment failure or emergency occur.

B. Refuelers — Aircraft refuelers shall be trained by their employers and shall obey all rules and regulations adopted by the facility owner. Two copies of this Plan will be available at the facility for review.

4.02 Spill Prevention Briefings

- A. Operating Staff The facility operator shall conduct monthly formal spill prevention briefings. The policy of the Owner is to inform all employees, through the operator, of this SPCC Plan, as well as changes in the facility, SPCC regulations, significant spill events or equipment failure and newly adopted precautionary measures to be made part of operating procedure.
- B. Training Additional individual instruction shall be given as required. The specific duties of each individual shall be established by the operator.
- C. Spill and Spill Prevention Coordinator The operator's designated employee shall act as the Spill Prevention Coordinator with on-site responsibility for coordination of spill prevention, spill response, and spill clean-up activities. The coordinator shall be directly accountable to the Owner.

In order for a flammable or combustible petroleum product to be ignited, the product must first be heated to its flash point such that the product volatilizes and mixes with air. Hydrocarbon ignition generally requires a mixture of air and gaseous hydrocarbon fuel within a specific ratio (fuel/air ratio) in addition to a heat/ignition source. Preventing or stopping a petroleum fire generally involves eliminating one of the three components: heat, fuel, or air.

The following mechanisms include a partial list of those which could generate the heat required for ignition (or, if heated and ignited gases are not allowed to expand freely, explosive) conditions:

- Addition of heat by flame or by contact with radiant or conductive heat sources (steam lines, flame, incident sun)
- Electrical short or spark (automotive ignition, welding)
- · Service vehicles (especially exhaust systems) or motors

Before acting to control the environmental damage of a petroleum product spill, first consider the fire hazards. In many cases, the fire hazard may be more serious than the environmental risk. For example, a line leak in the vicinity of a delivery vehicle during hot weather, with strong petroleum scent indicating volatilization of product, represents a definite fire/explosion hazard.

NOTICE — This section does not provide training in fire prevention or control. If a fire hazard is evident, all personnel should leave the area immediately and contact the fire authorities, using the emergency fire pull stations, emergency stop push buttons, or similar means. If possible, and without danger to life or limb, the supply of fuel and/or heat should be removed from the spill area.

5.02 EMERGENCY RESPONSE COORDINATION

In the event of a spill, Electrical Building will be the "Command Center" of cleanup operations. The Facility Operator Spill Coordinator will have the authority to direct clean-up operations, whether by on-site staff or through the assistance of a specialty cleanspecialty clean-up contractor. Depending on the conditions of the spill, potential hazards and clean-up operations required, the Facility Operator may direct operations from the operator's office rather than the spill site. All personnel responsible for periodic inspection and operations of the petroleum product storage facilities should be familiar with this procedure.

5.03 EMERGENCY RESPONSE ACTIONS FOR PETROLEUM PRODUCT SPILLS

Emergency Spill Response is not part of this plan. See Emergency Contact List (inside front cover) for Emergency assistance.

5.04 SPILL REPORTING

The Facility Operator Spill Coordinator shall complete a Spill Report (sample form included in Appendix B of this SPCC Plan) as soon as possible after any spill at the facility. The following information must be recorded:

- a. Time when spill first discovered
- b. Time when spill was contained or stopped
- c. Exact location and source of spill (record on site plan or provide accurate written description utilizing stationary landmarks)
- d. Injuries or damage, if any
- e. Apparent cause of spill
- f. Product spilled
- g. Estimated volume or size of spill area
- h. Action taken to contain spill
- i. Persons notified
- j. Personnel on scene
- k. Evaluation of fire or environmental hazard(s) created by spill
- 1. Disposal of recovered product

Keep this record on file and provide information as required to the New York State Department of Environmental Conservation (NYSDEC), if requested. Follow up all telephone conversations with written records of the event.

5.05 SPILL POTENTIAL ANALYSIS

The highest probability for a major spill event is recognized to be through human error. Due to containment structures such as concrete pads with curbing, secondary containment diking, and spill tank, there is a reduced potential for spill material to escape the containment system.

The greatest chance for a spill from the USAir fuel facility to escape the containment system would be by an operator inadvertently energizing the sump pumps to the oil water separator without proper inspections and/or operations of the sand traps, spill tank, or oil/water separator. The oil/water separator is designed to contain a limited capacity of product and is not designed to accept a large flow of pure product, or a diluted amount of product or an extended period of time without periodic removal of product.

A lesser chance exists for a spill from the USAir fuel facility to escape the containment system by a catastrophic event (seismic occurrence, aircraft crash, etc.). The following charts show the probable result of a potential release action for each of the tanks at the USAir fuel facility.

Tank No. 1 - 1,000 Gallon Diesel Fuel Storage Tank

POTENTIAL SPILL ACTION	SPILL (GALLONS)	PROBABILITY	Probable Result
Tank failure	0 - 1,000	Very Unlikely	Gravity flow to dike sand trap manhole for visual inspection. Should the manually controlled sump pump be energized without proper inspection of the sand trap manhole, spill will be pumped into the oil/water separator prior to discharge to storm sewer.
Tank overfill via faulty interlock circuits	0 - 200	Very Unlikely	Same as above.
Vandalism	0 - 1,000	Extremely Unlikely	Same as above.
Aboveground piping failure or leak	0 - 200	Reasonably Likely	Same as above if problem occurs within diked containment area. If problem occurs over loading pad or pump pad, spill will flow by gravity into a sand trap manhole and then into the underground spill tank for visual inspection. Should manually controlled sump pump be energized without proper inspection of the spill tank, the contents of the tank will be pumped into the oil/water separator prior to discharge to storm sewer.
Fill or dispensing hose spillage or breakage	0 - 200	Reasonably Likely	Spill will flow by gravity into a sand trap manhole and then into the underground spill tank for visual inspection. Should manually controlled sump pump be energized without proper inspection of the spill tank, the contents of the tank will be pumped into the oil/water separator prior to discharge to storm sewer.

Tank No. 2 - 20,000 Gallon Unleaded Gasoline Fuel Storage Tank

POTENTIAL SPILL ACTION	SPILL (GALLONS)	PROBABILITY	Probable Result
Tank failure	0 - 20,000	Very unlikely	Gravity flow to dike sand trap manhole for visual inspection. Should manually controlled sump pump be energized without proper inspection of the sand trap manhole, spill will be pumped into the oil/water separator prior to discharge to storm sewer.
Tank overfill via faulty interlock circuits	0 - 600	Very Unlikely	Same as above.
Vandalism	0 - 20,000	Extremely Unlikely	Same as above.
Aboveground piping failure or leak	0 - 600	Reasonably Likely	Same as above if problem occurs within diked containment area. If problem occurs over loading pad or pump pad, spill will flow by gravity into a sand trap manhole and then into the underground spill tank for visual inspection. Should manually controlled sump pump be energized without proper inspection of the spill tank, the contents of the tank will be pumped into the oil/water separator prior to discharge to storm sewer.
Fill or dispensing hose spillage or breakage	0 - 600	Reasonably Likely	Spill will flow by gravity into a sand trap manhole and then into the underground spill tank for visual inspection. Should manually controlled sump pump be energized without proper inspection of the spill tank, the contents of the tank will be pumped into the oil/water separator prior to discharge to storm sewer.

Tank's No. 3 and 4-20,000 Glycol Storage Tanks

POTENTIAL SPILL ACTION	SPILL (GALLONS)	PROBABILITY	Probable Result
Tank failure	0 - 20,000	Very unlikely	Gravity flow to dike sand trap for visual inspection. Should manually controlled sump pump be energized without proper inspection of the sand trap manhole, spill will be pumped into the oil/water separator prior to discharge to storm sewer. It should be noted that the oil/water separator is ineffective with glycol fluids.
Tank overfill via faulty interlock circuits	0 - 600	Very Unlikely	Same as above.
Vandalism	0 - 20,000	Extremely Unlikely	Same as above.
Aboveground piping failure or leak	0 - 600	Reasonably Likely	Same as above if problem occurs within diked containment area. If problem occurs over loading pad or pump pad, spill will flow by gravity into a sand trap manhole and then into the underground spill tank for visual inspection. Should manually controlled sump pump be energized without proper inspection of the spill tank, the contents of the tank will be pumped into the oil/water separator prior to discharge to storm sewer. It should be noted that the oil/water separator is ineffective with glycol fluids.
Fill or dispensing hose spillage or breakage	0 - 600	Reasonably Likely	Spill will flow by gravity into a sand trap manhole and then into the underground spill tank for visual inspection. Should manually controlled sump pump be energized without proper inspection of the spill tank, the contents of the tank will be pumped into the oil/water separator prior to discharge to storm sewer. It should be noted that the oil/water separator is ineffective with glycol fluids.

Tank's No. 5 and 6-210,000 Gallon Jet-A (kerosene) Fuel Storage Tank

POTENTIAL SPILL ACTION	SPILL (GALLONS)	PROBABILITY	Probable Result
Tank failure	0 - 212,000	Very Unlikely	Gravity flow to dike sand trap manhole for visual inspection. Should manually controlled sump pump be energized without proper inspection of the sand trap manhole, spill will be pumped into the oil/water separator prior to discharge to storm sewer.
Tank overfill via faulty interlock circuits	0 - 800	Very Unlikely	Same as above.
Vandalism	0 - 212,000	Extremely Unlikely	Same as above.
Aboveground piping failure or leak	0 - 800	Reasonably Likely	Same as above if problem occurs within diked containment area. If problem occurs over loading pad or pump pad, spill will flow by gravity into a sand trap manhole and then into the underground spill tank for visual inspection. Should manually controlled sump pump be energized without proper inspection of the spill tank, the contents of the tank will be pumped into the oil/water separator prior to discharge to storm sewer.
Fill or dispensing hose spillage or breakage	0 - 800	Reasonably Likely	Spill will flow by gravity into a sand trap manhole and then into the underground spill tank for visual inspection. Should manually controlled sump pump be energized without proper inspection of the spill tank, the contents of the tank will be pumped into the oil/water separator prior to discharge to storm sewer.

TANK No. 7 — 500 GALLON SLOP STORAGE TANK

POTENTIAL SPILL ACTION	SPILL (GALLONS)	PROBABILITY	PROBABLE RESULT
Tank failure	0 - 500	Very Unlikely	Spill will flow by gravity into a sand trap manhole and then into the underground spill tank for visual inspection. Should manually controlled sump pump be energized without proper inspection of the spill tank, the contents of the tank will be pumped into the oil/water separator prior to discharge to storm sewer.
Tank overfill	0 - 10	Reasonably Likely	Same as above.
Vandalism	0 - 500	Extremely Unlikely	Same as above.

SECTION 6 — SPILL CONTROL PROCEDURES

6.01 GENERAL

- A. Grounding Before the flow of product, the driver must properly ground the vehicle to eliminate any electrical potential differences that may exist. Static electricity may be generated by the vehicle, fuel flowing through hoses, piping and filter vessels. This condition exists when both delivering and loading fuel. Fires and resulting spills can be prevented by eliminating static charges which could jump a gap between equipment and create a spark. Grounding cables are provided at all transfer points. Proper grounding shall be accomplished by connecting the clamp provided to a metal part of the vehicle. On completion of the transfer operation, make sure to remove and store both hose and ground wire.
- B. Coordination In the event of a major spill, the operators station will service as the center for cleanup operations as per Section 5.02 of this SPCC Plan. The tools and material used to contain and collect spills are to be stored in the electrical building. The Spill Prevention Coordinator will authorize and direct cleanup operations by the Operator's personnel and outside contractors.
- C. Definitions NFPA-407 defines a small spill as covering an area less than 18 inches in any direction. A large spill is defined as being over 10 square feet in area. All spills must be addressed per instruction of this SPCC Plan and reported to the NYSDEC within two hours of discovery.
- D. Warning All fuel spills shall be treated as potential fire hazards. The response taken shall depend upon the size and location of the spill. DO NOT leave the scene of a spill unattended. Notify the appropriate authorities immediately. Because of the many variables, no two spills will present identical hazards. Therefore, prompt action, good judgement, and training are essential.

6.02 SAFETY REGULATIONS

- A. No Smoking Cigarettes, lighters, matches, or smoking material is strictly prohibited in the area of the facility.
- B. Welding No welding or open flame is allowed without obtaining a permit from the Airport Rescue Fire Fighters (ARFF) and observing all safety precautions.
 Do not perform any function that could create a spark in a potentially explosive atmosphere.
- C. Fire Guard A watch shall be posted to maintain a restricted area when a spill occurs and shall remain until the cleanup is complete. Suitable fire extinguishers are located around the facility and shall be periodically checked by the fire department. All personnel shall be familiar with airport fire regulations and know the location of emergency stop systems, fire alarm pull boxes and extinguishers.
- D. Vehicles Vehicles operating close to the spill area shall be diverted or stopped.

 Engines shall not be started in the vicinity of a spill. All engines running close to the spill shall be switched off. If fuel is underneath a truck, do not move the vehicle or switch off the engine when the fuel is in the vicinity of the exhaust pipe.
- E. Repairs Do not attempt to make repairs or adjustments to equipment without proper training and tools. If a problem exists notify the facility operator immediately.

F. Miscellaneous — Unauthorized persons shall not be permitted in the fuel facility area. Private vehicles are not allowed in the area without the operator's authorization. Flashlights, cameras, radios, or tape players are not allowed in fuel transfer areas.

6.03 SPILL RESPONSE

- A. Control Any personnel noticing a leak or spill shall notify the Facility Operator Spill Coordinator immediately. When a spill constitutes a definite fire hazard, the fire alarm system shall be activated which will shut down all pumps and automatically notify the ARFF unit. Only trained personnel shall attempt to stop a leak by the following actions, as necessary:
 - 1. Stopping pumps,
 - 2. Closing valves,
 - 3. Diverting flow,
 - 4. Contain spill at source by surrounding it with absorbent material to soak it up.
- B. Equipment and Materials The operator shall maintain the following items stored in the electrical room for spill containment and cleanup:
 - 1. Brooms and shovels,
 - 2. Absorbent Material (Oil Mop Co.)
 - 4' x 4' pads
 - 250' long rolls
 - 3. Two 50 lb. bags of Speedi-Dry,
 - 4. Metal waste container with self-closing lid.

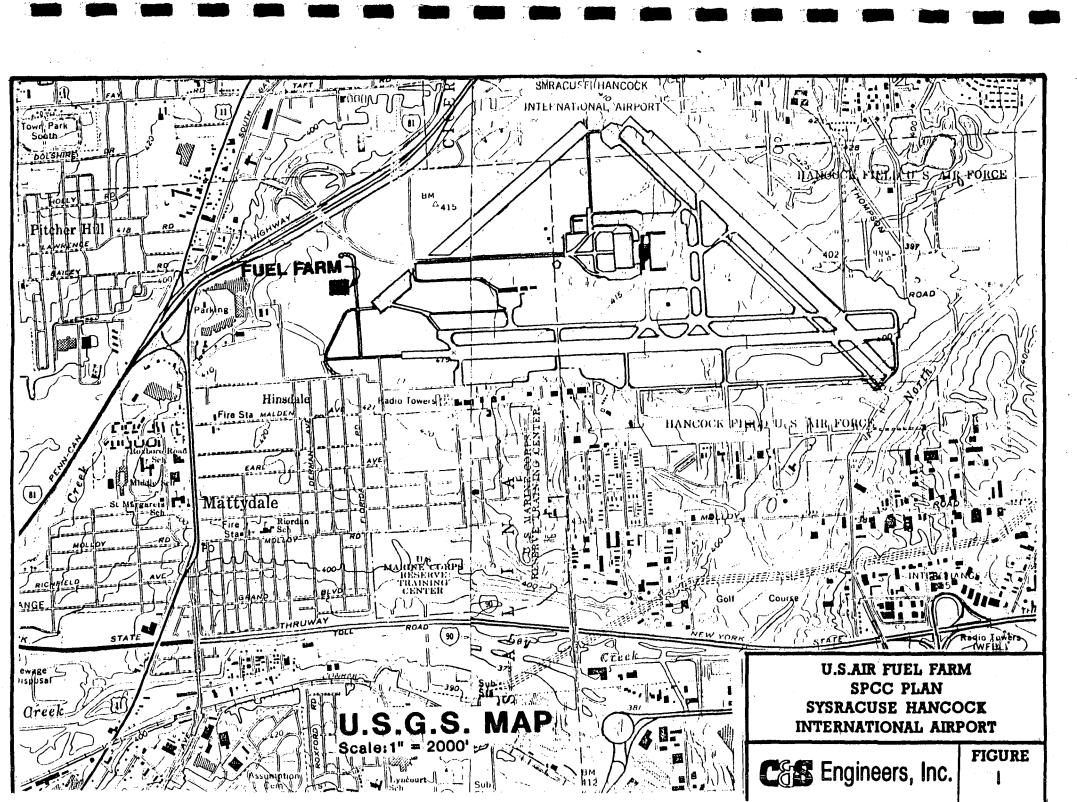
NOTE — No chemicals may be employed in a spill cleanup without DEC approval. Disposal of all recovered petroleum product and oil-soaked debris shall be in accordance with 6 NYCRR Part 611.6

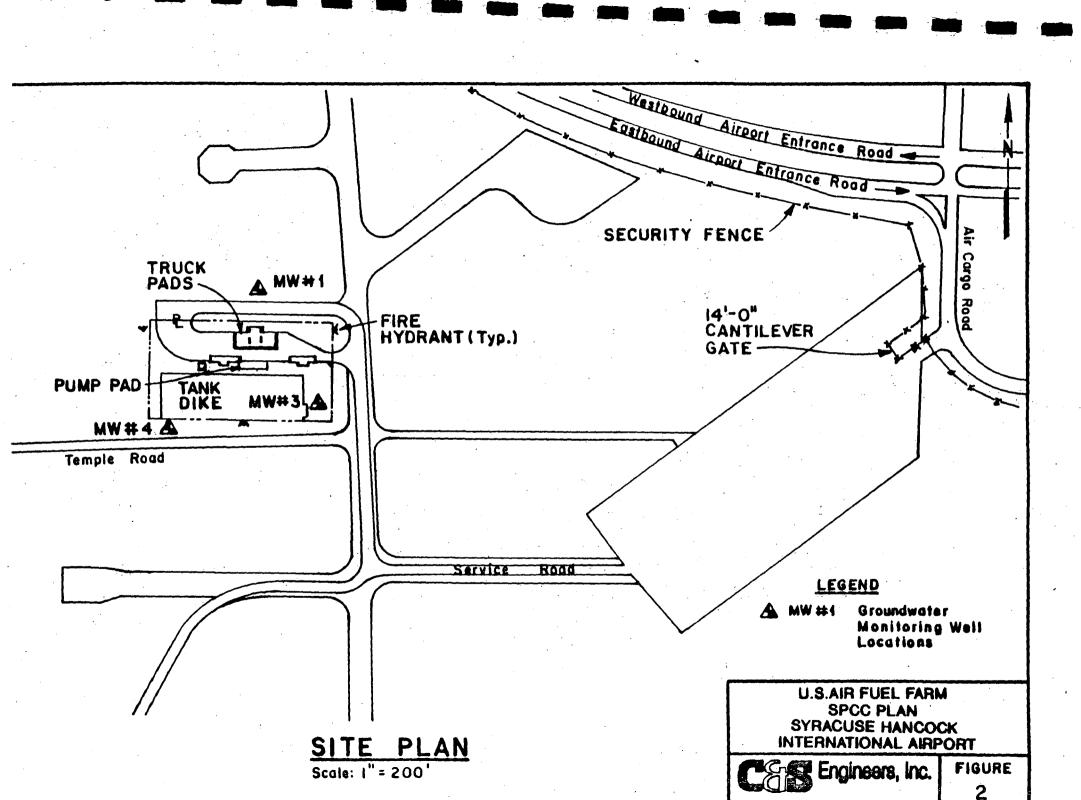
6.04 SURFACE SPILL CLEANUP

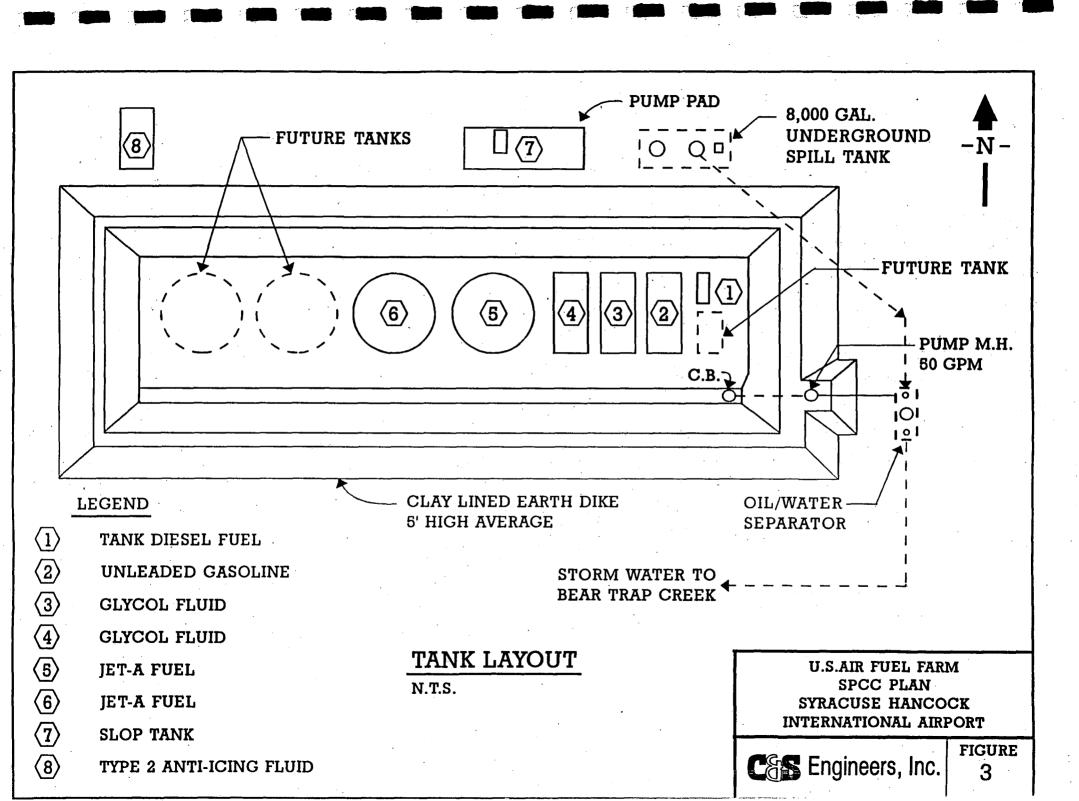
- A. Small Spills Spills resulting from hose breaks and minor equipment leaks may be cleaned up with absorbent materials, cleaning agents, or cotton rags. The material used shall be nonflammable and be deposited in a covered steel container for disposal.
- B. Large Spills Upon notification of the ARFF unit, larger spills may require the application of foam or dry chemicals. The conditions prevailing at the time will determine the method of cleanup required. Large spills will be subject to investigation by airport authorities and the Owner and regulatory agencies. If the volume of the spill is too great for facility personnel to handle, the Spill Coordinator shall contact a spill response contractor for assistance. All recoverable fuel spillage shall be disposed of properly.
- C. Wash Down At no time is a spill to be washed down with water into the drainage system. The operator shall be responsible for making sure the spilled product does not leave the containment system. Product levels in the spill tank and dike pump station shall be checked daily. The oil/water separator is not designed to recover large amounts of spilled petroleum or dissolved product in water, and is ineffective on glycol fluids.
- D. Inspection A complete inspection of the cleaned up spill area shall be performed to detect trapped fuel or vapors, with special attention to sumps, drains and underground structures. Jet fuels evaporate slowly and tend to remain in low areas, prolonging the fire hazard. Any residue shall be allowed to evaporate before the area is used for normal operations again. Strict safety precautions shall be maintained until all traces of flammable liquid and vapors have been removed.

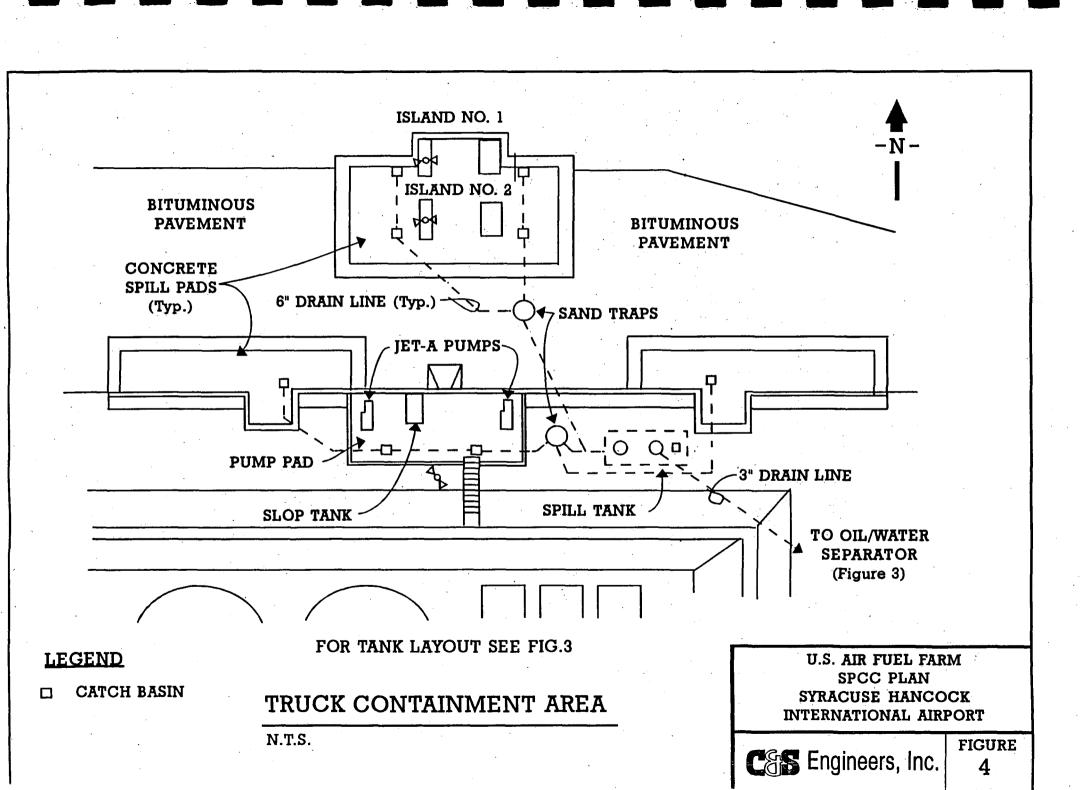
- E. Spill Coordinator Duties The Coordinator will have the following responsibilities:
 - 1. Respond, in person to all spill events,
 - 2. Coordinate all cleanup efforts,
 - 3. Notify, appropriate agencies in the event of a spill (see inside front cover for agencies and phone numbers), and
 - 4. Record and maintain spill information as instructed in Section 5.4 of this SPCC Plan.

APPENDIX A
SITE PLANS









APPENDIX B
INSPECTION AND REPORTING FORMS

SYRACUSE HANCOCK INTERNATIONAL AIRPORT

SYRACUSE, NEW YORK

DAILY DRAINAGE SYSTEM CLOSE-OUT SHEET

Record of inspection, drainage and petroleum removal USAir fuel facility Date: Time	-
SPILL CONTAINMENT TANK (Volume 8,000 gallons)	•.
Has spill occurred within the past 24 hours?	Yes □ No □
• Has precipitation runoff entered spill tank within the past 24 hours?	Yes □ No □
Action taken	
	·
DIKE PUMP STATION (Volume 8,000 gallons)	
· Is sheen present?	Yes □ No □
• Is floating product present?	Yes □ No □
• Water level	•
Petroleum product level	
Pump Operated	Yes □ No □
Action taken:	
Comments:	
	-
OperatorOperator	

(Print)

(Signature)

SYRACUSE HANCOCK INTERNATIONAL AIRPORT

SYRACUSE, NEW YORK

DAILY INSPECTION SHEET

CHECK if	O.K. R.A. Requires Immediate Attention	S.M. Schedule Maintenance			
The following items Shall Be Inspected:					
Item	Description	Condition			
1	Electrical Building				
2	First Aid Kit				
3	Telephone Communications				
4	Transfer Islands				
	Ground Equipment				
	Hose Condition				
	• Dust Caps				
	• Leaks				
	 Meters/Valves 				
5	Emergency Shut-Down System				
6	Fire Alarm Panel				
7	Pumps/Filters/Strainers/Valves				
٠,	• Seals				
	• Gauges	·			
	• Piping				
8	Slop Tank (Check Level)				
9	Storage Tanks				
	• Gauges				
	• Drains				
	 Walkways 				
	• Dike				
10	Drainage Systems				
	Sand Trap at Pad	,			
	· Sand Trap at Secondary Containments				
	· Spill Tank (Check Level)				
	• Pumps				
	Oil/Water Separator				
11	Level Alarm Panel				
12	Fire Extinguishers				
13	No Smoking Signs				
14	General Condition of Facility				
.	<u> </u>				
Date:	Inspector:				
	Inspector:	(Signature)			
	mopower	(Print)			
		•			
Remarks:					

SYRACUSE HANCOCK INTERNATIONAL AIRPORT SYRACUSE, NEW YORK

MONTHLY INSPECTION SHEET

CHECK if O.K. S.M. Schedule Maintenance R.A. Requires Immediate Attention The following items Shall Be Inspected: Condition Item Description 1 Fencing, Gate, Grass, Pavement, etc. 2 Dike condition—weeds, erosion, etc. Staining absent 3 Drainage System Sand trap sediment level Transfer Islands General Condition Strainers (clean) Nozzles **Deadman Controls** Signs Staining Absent Pump/Filter Area 5 Valve Operation Filter Element Check Vibration/Lubrication Staining Absent Controls Tanks (identify tank numbers inspected) 6 **Exterior Coating** Vents (check operation) Perimeter condition of tanks Foam Lines Valve Operation High Level Alarm 7 Piping and Supports 8 Cathodic Protection Rectifier (report) 9 10 **Exterior Lighting** Paint and Markings, Signage 11 12 Potential Fire/Spill Hazards Spill Cleanup Materials I hereby certify that this inspection has been performed in a manner consistent with requirements of 6 NYCRR Part 613.6. Date: Inspector: (Signature) Facility Registration Number: _____ Inspector: (Print) Results and Recommendations:

SYRACUSE HANCOCK INTERNATIONAL AIRPORT

SYRACUSE, NEW YORK

Petroleum Spill Report

Quantity Spilled Location of Spill Time Spill Discovered Discovered By Time Spill Contained Contained By (County Staff or Outside Contract	Date
AT A — GENERAL INFORMATION Material Spilled Quantity Spilled Location of Spill Time Spill Discovered Discovered By Time Spill Contained Contained By (County Staff or Outside Contract	Date
Quantity Spilled Location of Spill Time Spill Discovered Discovered By Time Spill Contained Contained By (County Staff or Outside Contract	Date
Quantity Spilled Location of Spill Time Spill Discovered Discovered By Time Spill Contained Contained By (County Staff or Outside Contract	Date
Time Spill Discovered Discovered By Time Spill Contained Contained By (County Staff or Outside Contract	Date
Discovered By Time Spill Contained Contained By (County Staff or Outside Contract	Date
Time Spill Contained Contained By (County Staff or Outside Contract	Date
Time Spill Contained Contained By (County Staff or Outside Contract	Date
	ctor?)
Time Cleanup Completed	Date
Clean-up by (County Staff or Outside Contract	
Total Cost of Spill	
Cause of Spill	
	
Extent of Injury or Property Damage	
· · · · · · · · · · · · · · · · · · ·	
Evaluation of fire or environmental hazard(s) of	created by spill
RT B - NOTIFICATION(S)	
Where did material go? (Describe the location	a & estimated release quantity)
Secondary Containment (completely contained)	
Land (contained on land)	
Water	Sanitary Sewer
Storm Sewer	
Other (Describe)	

SYRACUSE HANCOCK INTERNATIONAL AIRPORT

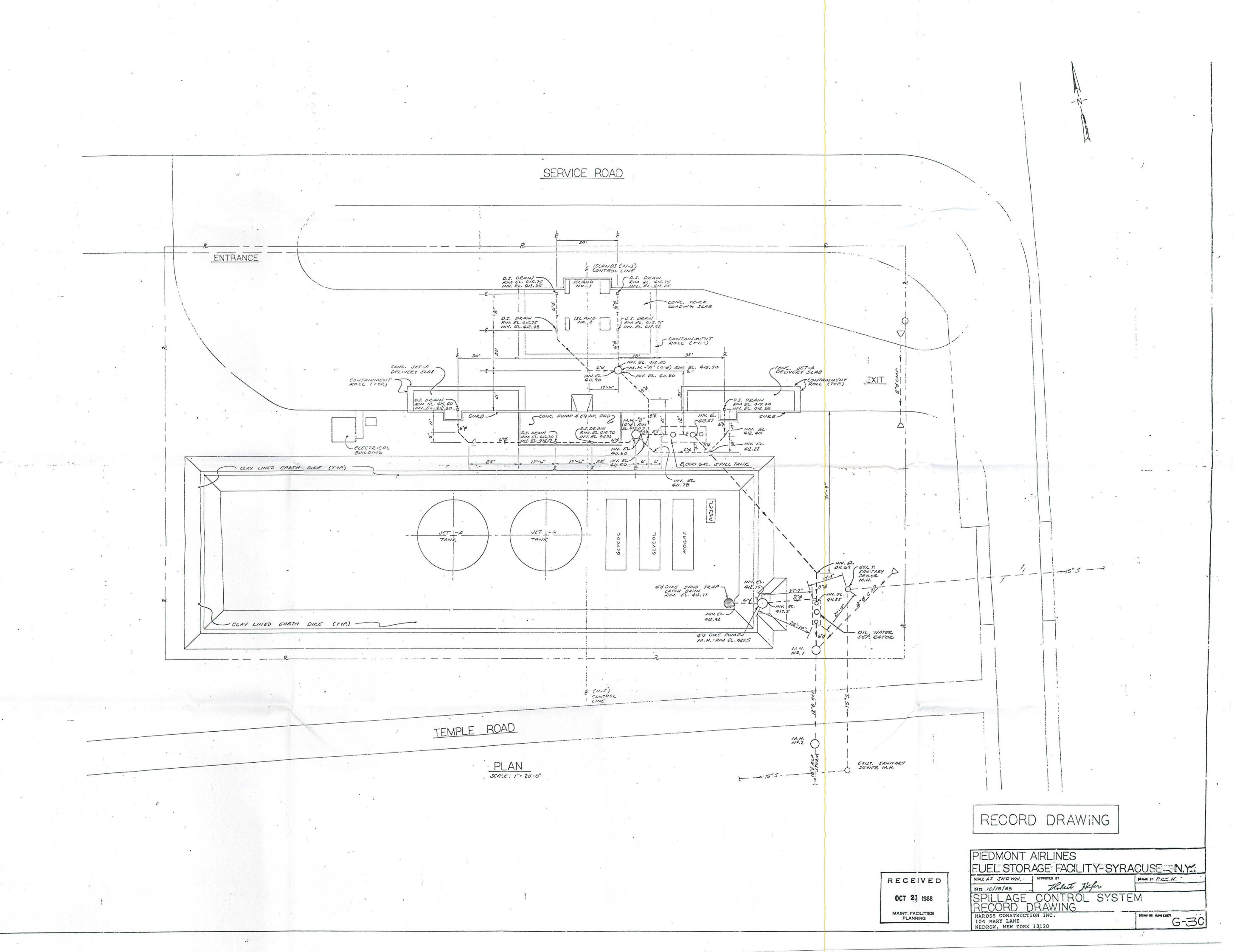
SYRACUSE, NEW YORK

Petroleum Spill Report

2.	Who was notified?
	Agency notified (verbal)
	Date(s) and Time(s)
	Name of Individual Notified
	Personnel on Scene
	Spill Report No.
	Written Follow-Up Letter Sent Date Person's Address
PA	RT C - CORRECTIVE ACTIONS
1.	Initial Response
2.	Clean-Up Performed
3.	Disposal of recovered product
4.	Permanent Corrective Action Taken To Prevent Recurrence
PA	RT D - ADDITIONAL INFORMATION
	•

APPENDIX C

RECORD DRAWING OF USAIR FUEL FACILITY



ATTACHMENT C

INVOICES HAZARDOUS WASTE MANIFESTS

OPERATIONS AT SYRACUSE HANCOCK INTERNATIONAL AIRPORT

Retain this invoice in your records for three (3) years.

BISON WASTE OIL COMPANY INC.

P.O. Box 147 240 Main St. Cowlesville, NY 14037

DEC #9A050

OFFICE: 11861 Broadway Alden, NY 14004

716-937-7730	Fax 716-547-2228	1-800-542-5699
OFFICIAL USED OF	L RECEIPT / INVOICE	CE / CERTIFICATION
OF U	ISED OIL COMPOS	ITION

OFFICIAL USED OIL RECEIPT / INVOICE / CERTIFICATION OF USED OIL COMPOSITION
Company Name U.S. A.R. Good Four PM 999 Company Street Address AIRPORT
City Synacuse State Ny. Zip 13212. Phone No 315 - 454 - 4349
A. COMPANY CERTIFICATION:
1. Company is a used oil Generator Collector
2. That the used oil released $\frac{10-13-94}{1}$.
3. Sample has been taken Bill to 115 with Mary In Ohara
Has not been mixed with any hazardous materials Auchoch arrows
3. Sample has been taken by 15. Why the sim on on one of the sample has been taken by 15. Why the sim on on one of the sample has been taken by 15. Why the sample has been taken by 15. What has not been mixed with any hazardous materials which och in the sample has not been mixed with any hazardous materials which och in the sample has not been mixed with any hazardous materials which och in the sample has not been mixed with any hazardous materials which och in the sample has not been mixed with any hazardous materials which och in the sample has not been mixed with any hazardous materials which och in the sample has not been mixed with any hazardous materials which och in the sample has not been mixed with any hazardous materials which och in the sample has not been mixed with any hazardous materials which och in the sample has not been mixed with any hazardous materials which och in the sample has not been mixed with any hazardous materials which is a sample has not been mixed with any hazardous materials which is a sample has not been mixed with any hazardous materials which is a sample has not been mixed with any hazardous materials which is a sample has not been mixed with any hazardous materials which is a sample has not been mixed with any hazardous materials which is a sample has not been mixed with any hazardous materials which is a sample has not been mixed with any hazardous materials which is a sample has not been mixed with a sample has not been m
4 Waste water
5. That this company generates less than more than
300 gallons per month
× W. L. of a.
Company Certification Signature
Driver Signature Willie Minley
P.O. #
B. Charge per Gal x <u>250</u> = \$ <u>37.50</u> Chg. for Oil
Charge per Gal. x = \$
Gals. Chg. for Water/Anti Freeze
Environmental Fee \$ 10 00
Chg. $\frac{47.5^{\circ}}{\% \text{ Sales Tax}} \times \frac{7.6}{\% \text{ Sales Tax}} = \$ \frac{3.49.3.33}{\text{Sales Tax Due}}$
670
Total due — Pay this amount to Bison Waste Oil Co. \$ 20.77
\$ 50.83
THIS IS YOUR INVOICE Check #
County Ord Charge 🛛 Cash 🗌
94- 0730
94- 0750
2
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MES 3 ESS DECENTARY
OCT 2 1 1994
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MAINTENANC APPROVE FOR PAYN JAMES P. D. H. J. J. J

BISON WASTE OIL COMPANY INC.	で記れ
P.O. Box 147 OFFICE	E
240 Main St. 11861 Broadway Confessille, NY 14037 DEC #9A050 Aiden, NY 14004	
716-937-7730 Fax 716-547-2228 1-800-542-5699	ě,
OFFICIAL USED OIL RECEIPT / INVOICE / CERTIFICATION	
OF USED OIL COMPOSITION Company Name U.S. A.R. GROUND FOUR OF	
Company Street Address AIRPORT.	
City Sylocuse State N-/ Zip /3212	
Prione No. 315 - 454 - 4309	
A COMPANY CERTIFICATION:	ξ'
Company is a used oil Generator Collector	
2: That the used oil released 10-13-94	j.,
Date	1
Sample has been taken	
Has not been mixed with any hazardous materials Contains chlorinated paraffinic compounds	
contains chormated paramine compounds (attach specifications).	
Waste water	
5. That this company generates less than more than	
300 gallons per month	
X National	
Company Certification Signature Driver Signature Malue Module	
PO #	
B. Charge per Gal: x 25 C = \$ Chg. for Oil	
Charge per Gal. x - \$	
Gals. Chg. for Water/Anti Freeze	
7/	
Chig % Sales Tax Sales Tax Due	
Total due — Pay this amount to Bison Waste Oil Co. \$ 50.79	i j
THIS IS YOUR INVOICE Check 🗆 #	
County Or Charge Charge Cash	
94- 0730	
	ner.

	INVOICE		
BISON W	ASTE OIL CO	MPANY IN	IC.
P.O. Box 147 240 Mairi St. Cowlesville, NY 14037	DEC #9A050		OFFICE: 11861 Broadway Alden, NY 14004
	Fax 716-937-7980		化二种 计二种数据设计员
Televisia (Cartier televisia) (Cartier televisia)	OIL RECEIPT/INVOI F USED OIL COMPOS		A I IUN
Company Name US	HIR		
Company Street Address	FIRGIT Sen	uceRoad	
ENJ_SKYOCUS	Q State_	Zip	13212
Phone No(3/S_)_	451-130	<u> Y</u>	
A. COMPANY CERTIFICATI			
t. Company is a used	教室 物种类型的一个主义 大人工	9 <u></u>	ollector
2. That the used oil i	released	Date	
"AND AND AND AND AND AND AND AND AND AND	as been taken		
	een mixed with any hazard	•	1 Aug.
Contains	chlorinated paraffinic comp (attach specifications)	ounds	
4Waste wa	ter		
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ft : ± 300 gallons per mo	mn / /	00927	
- Macka	Company Certification Signal	<u>(テ) / ご</u> ture	
Driver Signature	fie		· · · · · · · · · · · · · · · · · · ·
P.O.#			
B. Charge per Gal. 15	_x /00 =s	40	· · · · · · · · · · · · · · · · · · ·
	Gas.	Chg. for Oi	l
Charge per Gal:	X = \$	Chg. for Water/Apt	vFreeze
	× / Sales Tax	Sales Tax Di	10
Environmental Fee \$; a0
Total due — Pay this an	nount to Bison Waste Oil	co. s _ 7 ^L	
ffepain one (T) copy in your r			
THIS IS YOUR INVOICE	Check □ #		
	harge C Cash C	N9.	9454
			A STATE OF THE STA

INVOICE **BISON WASTE OIL COMPANY INC.**

OFFICE:

P.O. Box 147 240 Main St. Cowlesville, NY 14037 11861 Broadway Alden, NY 14004 Fax 716-937-7980 1-800-542-5699 716-937-7730 OFFICIAL USED OIL RECL. T / INVOICE / CERTIFICATION OF USED, OIL COMPOSITION Company Name Company Street Address Phone No. A. COMPANY CERTIFICATION: Generator 1. Company is a used oil . Collector 2. That the used oil released Sample has been taken Has not been mixed with any hazardous materials

Contains chlorinated paraffinin compounds

5 (attach specifications) Waste water . 5. That this company generates __ 300 gallons per month **Driver Signature** P.O. # 1 - 11 B. Charge per Gal. Charge per Gal. Chg. for Water/Anti Freeze Chg. Sales Tax Due Environmental Fee \$ _ Total due - Pay this amount to Bison Waste Oil Co. \$ Retain one (1) copy in your records for three (3) years. THIS IS YOUR INVOICE Check # 11293- 3564 Malo I'M Charge Cash

INVOICE BISON WASTE OIL COMPANY INC.

P.O. Box 147 240 Main St. Cowlesville, NY 14037

DEC #9A050

OFFICE: 11861 Broadway Alden, NY 14004

716-937-7730

Fax 716-937-7980

1-800-542-5699

OFFICIAL USED OIL RECEIPT / INVOICE / CERTIFICATION OF USED OIL COMPOSITION

Company Name		
Company Street Address		
City	State Zip	<u>:</u>
Phone No.		
A. COMPANY CERTIFICATION:		
1. Company is a used oil	Generator Collector	
2. That the used oil released	Date	
3 Sample has been taken		1
Has not been mixed with	h any hazardous materials	
Contains chlorinated par (attach specifi	raffinic compounds ications)	
4 Waste water		
That this company generates	less than more than	
300 gallons per month		
Company Cert	ification Signature	
Driver WAINTENANCE		
P.O. APPROVE FOR PAYMENT		
B JOHN W DURY	= \$	
Print Gas.	Chg. for Oil	
champer can educy	= \$	
Signature Gas.	Chg. for Water/Anti Freeze	
Chg. 9-21-63 X	= \$ Sales Tax Due	
Environmental Fee \$	Sales tax Due	
		
Charge To Bucket Bassing Type Bison	n Waste Oil Co. \$	
Retain ong (1) copy in your records for three		
Dept. HIS IS YOUR INVOICE SHEEK		
County <u>№ N</u> Charge 🗵	Cash □ 93- 53	

INVOICE NO OTHER INVOICE WILL BE SENT

BISON WASTE OIL COMPANY INC.

	P.O. Box 147 240 Main St Cowlesville, NY 14037	化高级转换 化铁矿 化氯化二甲基酚 化自由电影 化二甲基酚 化多苯甲基甲基酚 医二甲基酚	1.18 Alde	OFFICE: 61 Broadway on, NY 14004
	710	5-937-7730 Fax 7 1-800-542-569		
	OFFICIAL US	SED OIL RECEIPT/INVO	and the second s	TION
	Company Name _	US AC	Mysteran	
	Company Street Ad	Mariana da Barra da Maria da Francia 📭	Secret.	141
COMEZ DALA	City Phone No.	V State へ 外でよくしてし	/	
	A COMPANY CER	the state of the state of		
	A training and the second of the second	s a used oil Cosed oil Cosed oil released	A TO MA	_ Callector
			Date	
	A STATE OF THE STA	ample has been taken as not been mixed with ar	ny hazardous mater	ials
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	one are the same to be a C	ontains chlorinated paraffi	nic compounds	
			nic compounds	
	4. W	ontains chlorinated paraffi (attach specification faste water	nic compounds	more
	4: W 5. That this co	ontains chlorinated paraffi (attach specification faste water	nic compounds	
100 mg/m	4: W 5. That this co	ontains chlorinated paraffi (attach specification) (aste water ompany generates allons per month	nic compounds ons) less than	
	4 W 5. That this co	ontains chlorinated paraffi (attach specification faste water ompany generates	nic compounds ons) less than	
	4W 5. That this co	ontains chlorinated paraffi (attach specification) (aste water company generates allons per month	nic compounds ons) less than	
	5. That this control of the second of the se	ontains chlorinated paraffi (attach specification) (aste water company generates allons per month	nic compounds ons) less than	more
	4W 5. That this co	ontains chlorinated paraffi (attach specification) (aste water company generates allons per month	nic compounds ons) less than	more
	5. That this control of the second of the se	ontains chlorinated paraffication (attach specification faste water company generates allons per month	ric compounds ons). less than Chg. for Oi	more
	5. That this continued the second of the sec	contains chlorinated paraffi (attach specification) (aste water company generates allons per month Company Certification Signals Gals.	inic compounds ons) less than Chg. for Oi Chg. for Wat	er
	5. That this control of the signature — B. Charge per Galacter — C	contains chlorinated paraffication (attach specification) /aste water company generates allons per month Company Cartification (Company Cartification) Gals. \$ Gals. \$ 96 Sales Tax	rnic compounds ons) less than Chg. for Oi Chg. for Wat Sales Tax Or Maste Oil Co. \$	er
	5. That this control of the signature — B. Charge per Galacter — C	contains chlorinated paraffication (attach specification) /aste water company generates allons per month Company Certification (contains) Sals. Gals. **Gals.** **Gals.** **Gals.** **Sales Tax **This amount to Bison (contains) In your records for three (contains)	chg. for Oi Chg. for Wat Sales Tax Di Waste Oil Co. \$	er Cnncy
	5. That this control of the state of the sta	contains chlorinated paraffication (attach specification) aste water company generates callons per month. Company Cartification Signals. Gals. Gals. **Gals.** **Gals.** **This amount to Bison Venerates of three (Cicc.**)	chg. for Oi Chg. for Wat Sales Tax Di Waste Oil Co. \$	er Cnncy

INVOICE NO OTHER INVOICE WILL BE SENT

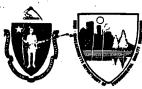
BISON WASTE OIL COMPANY

P.O. Box 147 • 240 Main St. • Cowlesville, NY 14037 DEC #9A050

716-937-7730 FAX 937-7980 1-800-542-5699

OFFICIAL USED OIL RECEIPT / INVOICE / CERTIFICATION OF USED OIL COMPOSITION

Company Name	r 6SE Shop
Company Street Address	nock Air fort
City Supacuse C	StateSTATEMANCE
Phone No. (3/5)	ADPROVA FOR PAYMENT
A. COMPANY CERTIFICATION:	DOC 1055
1. Company is a used oil _	Generator Collector
2. That the used oil release	d Someture
	Date Date
	er taken 4-23-90 Date
	ixed with any hazardous materials
Contains emont	nated parathric compounds 1
4 Waste water	494 083
5. That this company gener	ates less than nore
than 300-gattops per mor	· · · · · · · · · · · · · · · · · · ·
	the state of the s
× Like	Alle
X Kakef	Selfication Signature
Company C	Sertification Signature
Driver Signature	
	385 \$ 65,00 Gals. Cha. for Oil
B. Charge per Gal. x	Gals. \$ 65.00 Chg. for Oil
B. Charge per Galx x	385 \$ 65,00 Gals. Cha. for Oil
B. Charge per Galx Charge per Galx Chg. for oilx	Gals. S Gals. Chg. for Oil Chg. for Water Chg. for
B. Charge per Galx x	Gals. S (5.00 Chg. for Oil Chg. for Water (7.00 Chg
Driver Signature B. Charge per Galx Charge per Galx Chg. for oilx Total due — Pay this amoun	Gals. S GS.OO Gals. Chg. for Oil Chg. for Water Chg. for Water Gals. S GALS Chg. for Water GASE PAY GASE PAY GASTAX Due GASTAX DU
Driver Signature B. Charge per Gal.	Gals. S GS.OO Gals. Chg. for Oil Chg. for Water Chg. for Water Sales Tax Due EASE PAY GALS GALS Chg. for Water Chg. for Oil Chg. for Oil Chg. for Oil Chg. for Oil Chg. for Water Chg. for Water
Driver Signature B. Charge per Galx Charge per Galx Chg. for oilx Total due — Pay this amoun	Gais. S Chg. for Oil Gais. Chg. for Water Chg. for Oil Gais. S Chg. for Water Chg. for Oil Sales Tax Due FASE PAY WITHIS COPY MENT DUE WITHIN OF INVOICE DATE No. 9 0 2 7 4 5



COMMONWEALTH OF MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL QUALITY ENGINEERING

DIVISION OF HAZARDOUS WASTE

One Winter Street

JOB # 50432

BENERATOR HALLS TO BENERATOR STATE

Boston, Massachusetts 02108

ea	ase print or type. (Form designed for use on elite (12	-pitch) typewriter.)		M	19		TE IS	
Ī	UNIFORM HAZARDOUS	1. Generator US EPA ID N	Door	lanifest/	2. Page			
	WASTE MANIFEST	* 4 9 9 9 9 8	4458450	tuest 140 5	ંવંધ	A 2 rat grain	d by Federa	ıl law.
	3. Generator's Name and Mailing Address			UL		e Manifest Docum	ent Number	
	US AIR INC., HANCOCK INTER	ENATIONAL AIRPO	ST. NORTH SYP	ACUSE,		-BUDTCD Gen∵ID*		
	NEW YORK, 13212 4. Generator's Phone (315) 455-165			The state of the s	9.30		axb	
1	5. Transporter 1 Company Name	6.	US EPA ID Number			Trans. ID		A Sur Carto
	CLEAN HARBORS OF KINGSTON,	INC. MA	D 0 3 9 3 2 2	(<u> 2 5 0</u>	86	16106	TI	
1	7. Transporter 2 Company Name	8.	US EPA ID Number		D. Tran	sporter's Phone (617 5	ö5-5111
ļ					E. State	e Trans, ID		
	Designated Facility Name and Site Address	10.	US EPA ID Number					
	CLEAN MARBORS OF BRAINTREI	s, INC., 385 QU	IECY AVE.,			sporter's Phone (
	BRAINTREE, MA 02184	184 A	2 9 5 3 4 5 2	4637		lity's Phone (D.L.		
İ				12. Cont	1	13.	14.	k .
	11. US DOT Description (Including Proper Shippin	ng Name, Hazard Class, and	(ID Number)	No.	Type	Total Quantity	Unit Wt/Vol	Weste No.
	a	a a d danamar m	7 -2			, un		
	SPENT COMBUSTIBLE LIQUID,	**	M),			1	/_	K A 9 9
	COMBUSTIBLE LIQUID, NA 199	7.3		DOA	DAK	XU5 901	<u> </u>	
:	b SPENT GIL, N.O.S. (FUEL O	IL), COKBUSTIBL	E LIQUID,			• 1	• .	HAO I
	NA 1270	- -		MA	MAIL	ומדוחו	6.	
	c. NON DOT REGULATED MATERIA	4.*		rain				31. A 9. 4
	NUM DUI REGULAIFE MAIREI	N.L.			L .],	nnight	6	
	-			OUT	DH.	444 13		
1	d SPENT OIL. H.O.S. (RYDRAU	LIC OIL). COMB	STIBLE			6 *		MAO 1
	LIQUID, NA 1270			1001	DH	20.055	6	
	J. Additional Descriptions for Materials Listed Ab	ova linakula ahuninal atata	and harned anda I		V 100	dling Codes for Wa	etec Listed	Above
			The state of the s					
	a RAST26 (UNUSED CLEANER)	c. PA9728(BEORBANT PADS	3)	a		C: *	
	54 6556 / 14 CM9 ATV	# 1070c C						
	b. R49729 (WASTE OIL)		MORAULIC GIL	14	b		d: 9455	
	15. Special Handling Instructions and Additional I	ntormation				٠		
	24 HOUR EMERGENCY #:1-800-	-OIL-TANK	:			•		
	16. GENERATOR'S CERTIFICATION: I hereby declare that t	the contents of this consignment	t are fully and accurately desc	cribed above b	y			
	proper shipping name and are classified, packed, mark according to applicable international and national gove		pects in proper condition for	transport by n	ignway	• ,		
	If I am a large quantity generator, I certify that I have a	program in place to reduce the v	volume and toxicity of waste	generated to th	ne degree i i	have determined to be	economically	/ practicable
	and that I have selected the practicable method of trea ment; OR, if I am a small quantity generator, I have ma	itment, storage, or disposal curre de a good faith effort to minimiz	ently available to me which m e my waste generation and se	elect the best v	resent and i waste mana	igement method that	is available to	me and that I
	can afford.							Date
	Printed/Typed Name		Signature (4			Month	Day Year
_	DONALD L. G. ITUC	int of Materials	N. J. JW	Ju-			12	175170
	17. Transporter 1 Acknowledgement of Recei	ipt of Materials	Signature	/	· ·		Month	Date Day - Yeak
7		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	II. A VI	00.5	\	_	106	12390
	18 Tarsporter 2 Achnowledgement of Roce	of Materials	The Island	Mu	Dis	00		Date
	Printed/Typed Name		Signature				Month	Day Year
4	19 Diseases Indication Con-		· · · · · · · · · · · · · · · · · · ·	* * * .		·		
:	19. Discrepancy Indication Space:		•			•	-	
			•					
	20. Facility Owner or Operator: Certification of re	ceipt of hazardous material	s covered by this manife	st except as	noted in l	tem 19.		
				123224100				Date
	Printed/Typed Name		Signature				Month	Day Year



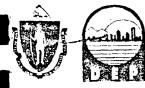
COMMONWEALTH OF MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL QUALITY ENGINEERING **DIVISION OF HAZARDOUS WASTE**

One Winter Street

Boston, Massachusetts 02108

JOB# \$0432

so print or type. Coundesigned for use on elite (12							
UNIFORMHAZARDOUS	1. Generator US EPA ID N	L Docu	nifest neat No.	2. Page	1		,
WASTE MANIFEST	NYDGGGG	<u> </u>	4 3 3	of			law.
O. Generator's Name and Mailing Address US AIR, INC., RANCOCK INT NORTH SYRACUSE, NEW YORK 4. Generator's Phone (315.) 455-16	13212	PORT,		MA B. State	Manifest Docum CL98424 Gen: ID SAKK		
5. Transporter 1 Company Name /	6.	US EPA ID Number		C.State	Trans ID.	in The	
CLEAR MARBORS OF KINGSTON	INC. MA	0 0 3 9 3 2 2	2 5 0	170	261106		111
77. Fransporter 2. Company Name	8.	US EPA ID Number		D. Trans	sporter's Phone I	617 5	65-5111
				E. State	Trans. ID		
9 Designated Facility Name and Site Address	10.	US EPA ID Number			1-1-1-1	<u> </u>	
CLEAN PARBORS OF BRAINTRE	E, INC., 385 Qt	SINCY AVE.			sporter's Phone (
BRAINTREE, MA 02184	المعادة				Facility's ID	Not Re	
	108	0053452		·			-1007
11. US DOT Description (Including Proper Shipp)	ing Name, Hazard Class, and	I ID Number)	12. Conta	Type	13. Total Quantity	14. Unit Wt/Vol	Waste No.
SPENT OIL, N.O.S. (HYDRAT LIQUID, NA 1270)	ILIC OIL), COMBI	ISTIBLE	อดไ	DHÍ	00055	6	M A O
h.			001	-11		· ·	Spatial Spatial
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G.	- 		 	1			1 1 1
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	· · · · · · · · · · · · · · · · · · ·						
J. Additional Descriptions for Materials Listed A	bove (include physical state	and hazard code.)		K. Hand	dling Codes for W	astes Listed	Above
a RA9730 (HYDRAULIC OIL)	c.			а.		c.	
				18.000 to 18.000			
h, 15. Special Handling Instructions and Additiona	d. Markets			b		d.	
24 HOUR EMERGENCY #:1-80	00-CIL-TANK	`.	-				
in GENERATOR'S CERTIFICATION: I hereby declare that proper shipping name and are classified, packed, males or first to applicable international and national go	rked, and fabeled, and are in all re-				· · · · · · · · · · · · · · · · · · ·		
Ut any a large quantity generator, I certify that I have and that I have selected the practicable method of tr ment: OR, if I am a small quantity generator, I have in can afford	eatment, storage or disposal curr	ently available to me which m	inimizes the p	resent and '	future threat to hum	an nealth and t	ie environ-
Printed/Typed Name		Signature /	1,			Month	
17. Transporter 1 , Acknowledgement of Rice	eipt of Materials	12 T / Le	Gen				11590 Date
Printed/Typed Name Printed/Typed Name A 2) (Signature	Wie.) 74	el-	Month	Day Year
Printed/Typed Name	cipt of Matorials	Signature			· · · · · · · · · · · · · · · · · · ·	Month	Day Year
19. Discrepancy Indication Space							
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20. Facility Owner or Operator: Certification of	receipt of hazardous materia	als covered by this manife	st except as	noted in	Item 19.		Date
Printed/Typed Name		Signature				Montl	
Transary peo Wante		Signification		<i></i>		li	1111



One Winter Street Boston, Massachusetts 02108 52865 X

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11.	US DOT Description (Including Proper Shipp	oing Name, Hazard Class, and l	D Numberi	12. Cont	Type	13. Total Quantity	14. Unit Wt/Vol	Waste A
а.	WASTE OIL, N.O.S.(JET	FUEL. ENGINE OIL)	1	 			MA
1	COMBUSTIBLE LIQUID, NA	_	•	שהת		224 41	6	
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Э. а.	Additional Descriptions for Materials Listed A S11569 (JET FUEL/ENGINE		nd hezard code.)		K. Hand	lling Codes for W	astes Listed	Above
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a. b.	\$11569(JET FUEL/ENGINE	OIL) c.	nd hazard code.)		a	lling Codes for W	c. 3	Above
a. b.	\$11569 (JET FUEL/ENGINE 5. Special Handling Instructions and Additional	d.	nd hazard code.)		b NYS H	ANDLING (c. 3	Above
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One Winter Street Boston, Massachusetts 02108 × 70019

FACILITY MAILS TO GENERATOR

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			anifest	2. Pag	e 1 Information	in the shade	ed areas
	1.		ment No.	· . of	is not requir	ed by Feder	al law
	3	Generator's Name and Mailing Address US AIR GROUP INCORPORATED	191212				
	"	WANCOCK INTERNATIONAL ATRIORS			ite Manifest Docum	nent Numbei	
		HANCOCK INTERNATIONAL AIRPORT, N. SYRACUSE, NY 1321	12		F297151		
	1			B. Sta	te Geq. ID	* **	
		Generator's Phone (315 455-1655			SAYO		
	5	Transporter 1 Company Name 6. US EPA ID Number		C.Sta	te Trans. ID		·
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	7.	Transporter, 2 Company Name 8. US EPA ID Number				-M/1	
		Price Trucking Corp. MUDDI46765	504		nsporter's Phone (te Trans, ID	617	585-5111 [
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1	9.	Designated Facility Name and Site Address 10. US EPA ID Number		10	5-125	777	
		CLEAN HARBORS OF BRAINTREE, INC.		F. Tra	nsporter's Phone	16.82	-1414
		385 QUINCY AVENUE		G. Sta	te Facility's ID	Not Re	equired
N .	į.,	BRAINTREE, MA 02184 [M A D 0 5 3 4 5 2	161317	H. Fa	ility's Phone (61	7) 840	-1807
			12. Conta		13.	14.	100
	11	US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)			Total	Unit	Waste No.
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	15.	Special Handling Instructions and Additional Information		AAG I	LANDLING CO	ODV +1 1 A	\ D
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		2/ HOUR EMERGENCY DECRONCE MINORING 1 000 OTT MANY					
	16	24 HOUR EMERGENCY RESPONSE NUMBER: 1-800-OIL-TANK					
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One Winter Street Boston, Massachusetts 02108

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475839-846 Please print or type. (Form designed for lise on elite (12-pitch) typewriter.) N 90 000 124581 Manifest Document No. UNIFORM HAZARDOUS 2.. Page 1 Information in the shaded areas is not required by Faderal law. WASTE MANIFEST Generator's Name and Mailing Address State Manifest Document Number USATE GROUP INCORPORATED BATHTENANCE DEPARTMENT MAHState Gen. ID
HANCOCK INTERNATIONAL A HAUCUCK INTERNATIONAL AIRPORT General And Pholey NY 13212
Transporter 1 Company Marie 1551 SYRACUSE State Trans. ID US EPA ID Number PCG106 N Transpora Company Name BHV. SERVICES, INC US EPA'ID Namber Transporter's Phone (6175855111 ARBOAS FAU. SERVERS State Trans. ID. 00.393 0029 Designated Facility Name and Site Address US EPA ID Number Transporter's Phone 6/7 585-57/ CUEAN HARBORS OF BRAINTREE, INC 385 DULNEY AVE State Facility's ID NOT REQUIRED MADØ53452637 BRAINTREE, NA 02184 Facility's Phone (47 849-11807 12. Containers US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number) Total Quantity Waste No. No. Type Wt/Vo WASTE COMBUSTIBLE LIQUID, M.O.S. (KEROSERE, MOTOR OIL), COMBUSTIBLE LIQUID. NA1993 1000 Dm 00400 008 GM J. Additional Descriptions for Materials Listed Above (include physical state and hazard code.) K. Handling Codes for Wastes Listed Above 15. Special Handling Instructions and Additional Information NYS HANDLING CODE IN CASE OF EMERGENCY CALL CHI AT 1-800-OLE-TANK 112) B FIG GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If Lorn a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OB, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I Date Printed/Typed Name Signature Month Day Year OHN 93 17. Transporter 1 Acknowledgement of Receipt of Materials Date Printed/Typed Name Month Day Year Sodwin Transporter 2 Acknowledgement of Receipt of Materials ted/Typed Name Month Year 19. Discrepancy Indication Space 20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. Date Printed/Typed Name Month Day Year Michael Four Approved OMB No. 2050-0039, Expirhs 9/30/92 EPA Form 8700-22 (Rev. 9-88) Previous editions are obsolete.



DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF HAZARDOUS WASTE

One Winter Street Boston, Massachusetts 02108

JSR # 94918

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COMMONWEALTH OF MASSACHUSE ITS DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF HAZARDOUS WASTE

One Winter Street, Boston, Massachusetts 02108

JOB # 54691B

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COMMONWEALTH OF MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION

DIVISION OF HAZARDOUS WASTE

One Winter Street Boston, Massachusetts 02108

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COMMONWEALTH OF MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF HAZARDOUS WASTE

One Winter Street Roston, Massachusetts 02103

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One Winter Street Boston, Massachusetts 02108

FACILITY MAILS TO GENERATOR

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DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF HAZARDOUS WASTE

Month Day 1931/3194

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ATTACHMENT D HAZARDOUS WASTE MANIFESTS OPERATIONS AT ONEIDA COUNTY AIRPORT



Please print or type. Do not Staple.

STATE OF NEW YORK DEPARTMENT OF ENVIRONMENTAL CONSERVATION DIVISION OF HAZARDOUS SUBSTANCES REGULATION

J. TURY

HAZARDOUS WASTE MANIFEST

P.O. Box 12820, Albany, New York 12212

	UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator		. De	anifest ocument No.	2. Page		ation in	the shaded a	reas	
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_	20. Facility Owner or Operator: Certification of	receipt of hazard	lous materials covere	d by this	s manifest ëx	cept as not	ed in Item	19.			
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STATE OF NEW YORK

DEPARTMENT OF ENVIRONMENTAL CONSERVATION

DIVISION OF HAZARDOUS SUBSTANCES REGULATION HAZARDOUS WASTE MANIFEST P.O. Box 12820, Albany, New York 12212 Form Approved. OMB No. 2050-0039. Expires 9-30-91 Please/print or type. Do not Staple. Information in the shaded areas is not required by Federal Law. 1. Generator's US EPA No. Manifest -2. Page 1 **UNIFORM HAZARDOUS** WASTE MANIFEST 4 1 4 0 7 4 8 2 4 8 6 3. Generator's Name and Mailing Address
U.S. Air., Purchesing Dept., M/SA220
P.O. Box 2720, Vinston-Salem, NC 27156 A. State Manifest Document B. Generator's ID 4. Generator's Phone (315) 758-4088 Afroort, Oriskany, NY 13424 V 01 3.2.7.7.4 C. State Transporter's ID 5. Transporter 1 (Company Name) 2) Wents + D. Transporter's Phone (💰 🖟 🔊 E. State Transporter's ID 7. Transporter 2 (Cômpany Name) F. Transporter's Phone (10. US EPA ID Number G. State Facility's ID 9. Designated Facility Name and Site Address Solvents & Petroleum Service. Inc. 1405 Brewerton Rd. H. Facility's Phone N N D D J J Z J J A S 4 (315) 454-4467 Syracuse, NY 13208 12. Containers 13. 11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number) Total Unit Lype Waste No. Quantity Wt/Vol EPA 1000 RO WASTE FLAMMABLE LIQUID N.O.S./FLAMMABLE LIQUID/UB1993 STATE 0020 1001110 **EPA** STATE **EPA** STATE **FPA** d. STATE J. Additional Descriptions for Materials listed Above K. Handling Codes for Wastes Listed Above Toluene/Lylene 15. Special Handling Instructions and Additional Information GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations. If I am a large quantity generator, I certify that I have program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR if I am a small generator, I have made a good faith effort to minimize my waste and select the best waste management method that is available Signature Day Printed/Typed Name 17. Transporter 1 (Acknowledgement of Receipt of Materials) Printed/Typed Name Signature State of 18. Transporter 2 (Acknowledgement of Receipt of Materials) Signature Year Printed/Typed Name Mo. 19. Discrepancy Indication Space 20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

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Please print or type.

STATE OF NEW YORK DEPARTMENT OF ENVIRONMENTAL CONSERVATION DIVISION OF SOLID AND HAZARDOUS WASTE

HAZARDOUS WASTE MANIFEST

P.O. Box 12820, Albany, New York 12212

Form Approved. OMB No. 2050-0039. Expires 9-30-88

WASTE MANIFEST		nifest cument No.	2.			he shaded area by Federal Law.
3. Gererator's Name and Mailing Address Pladmont Airlines. Purchasing Dept. P. J. Box 2720. Winston-Salem, H.C. 4. Generator's Phone (315) 768-4088	. P/SA220	- 	B. (State Manifest Do NY - A72 Generator's ID &	945 eide	Codaty
5. Transporter 1 (Company Name)	6. US EPA ID Number		C.	MANT THE PARTY	s ID	
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Syracuse, NY 13208	M, Y D 0 1 3 2 7 7	4 5 4		(315) 454-	4467	
11. US DOT Description (Including Proper Shipping Name, Ha	zard Class and ID Number)	12. Cont	ainers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
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15. Special Handling Instructions and Additional Information		· · · · · · · · · · · ·			L	
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16. GENERATOR'S CERTIFICATION: I hereby declare that the classified, packed, marked and labeled, and are in all respects in p regulations and state laws and regulations. If I am a large quantity generator, I certify that I have program in allow	reper contained for transport by mg.	iway accordi	ig to ap	opiicable internation	ai and na	tional government
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Please print or type.

STATE OF NEW YORK DEPARTMENT OF ENVIRONMENTAL CONSERVATION DIVISION OF SOLID AND HAZARDOUS WASTE

HAZARDOUS WASTE MANIFEST P.O. Box 12820, Albany, New York 12212

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		r's US EPA No. Manifest Document No	Page 1 Information in the shaded areas is not required by Federal Law.
	Generator's Name and Mailing Address	4 Lary	A. States (anifest Document No.
	4. Generator's Phone () () () () () () () () () (MY PARK TO	B. Generator's
	5. Transporter 1 (Company Name)	6. US EPA ID Number	C. State Transporter's ID = Z + 011
	SOLVERTS & PETROLEUM SERVICE, INC.		D. Transporter's Phone (315) 454-446
	7. Transporter 2 (Company Name)	8. US EPA ID Number	E. State Transporter's ID
			F. Transporter's Phone ()
	9. Designated Facility Name and Site Address	10. US EPA ID Number	G. State Facility's ID
	SOLVERTS & PETROLEUM SERVICE, INC.		X
	1405 Brevetton Rd.	1	H. Facility's Phone
٠.	Syracuse, NY 13203	MIY 0 0 1 3 2 7 7 4 5 4	(315) 484-4467
	11. US DOT Description (Including Proper Shipping Name, H		Total Unit I.
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	16. GENERATOR'S CERTIFICATION: I hereby declare that it	To contents of this consignment are fully and are	
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	17. Transporter 1 (Acknowledgement of Receipt of Materials)	:	
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	18. Transporter 2 (Acknowledgement or Receipt of Materials)		
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	19. Discrepancy Indication Space	·	
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	20. Facility Owner or Operator: Certification of receipt of haz	ardous materials covered by this manifest	except as noted in Item 19.
	Printed/Typed Name	Signature	Mo. Day Year



STATE OF NEW YORK DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID AND HAZARDOUS WASTE

HAZARDOUS WASTE MANIFEST

lease Print or type.	P.O. Box 12	2820, Albany, Nev	v York 12212	Form /	Approved. OMB No	. 2050-0039	. Expires 9-30-88
UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's	S US EPA No.	Manifest Document No	2. P	of is not a	ation in the	ne shaded areas by Federal Law.
3. Generator's Name and Mailing Address Piecesont Airlines Purche P. G. Box 2720, Kinston-5 4. Generator's Phone (315) 768-40	sing Dept.	N/SA2ZO		B. G	ate Manifest Do NY A	cument 33	1 9 County
5. Transporter 1 (Company Name) SCLIVENTS & PETROLEIM SERV	ICE. THC.	6. US EPA ID Num		C. St	ate Transporter	s ID	M8365
7. Transporter 2 (Company Name)	3,733	8. US EPA ID Num			ansporter's Pho ate Transporter') 454-458
9. Designated Facility Name and Site Addr SOLVERTS & PETROLEUM SERV 1405 BREWERTON ROAD		10. US EPA ID Nur		G. St	ansporter's Phorate Facility's ID	18 (
	to de ti stratula		10.0		13.	14.	
11. US DOT Description (Including Proper S	nipping Name, Haza	ard Class and ID Num	ber) No.	Туре	Total Quantity	Unit Wt/Voi	I. Waste No.
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16. GENERATOR'S CERTIFICATION: "the classified, packed, marked and labeled, and air regulations and state laws and regulations. If I am a large quantity generator, I certify that I practicable and that I have selected the practic health and the environment; OR if I am a small to me and that I can afford.	have program in place	to reduce the volume and	toxicity of waste gene	rated to the	e degree I have de	at and nat termined to	be economically
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20. Facility Owner or Operator: Certification	of receipt of hazard	dous materials covered	d by this manifest	except a	s noted in Item	19.	
Printed/Typed Name		Signature	· ·			Mo	Day Year
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STATE OF NEW YORK DEPARTMENT OF ENVIRONMENTAL CONSERVATION DIVISION OF SOLID AND HAZARDOUS WASTE

David Palazzoli

ase print or type.	P.O. Box 12820, Albany, New Yor	
UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's US EPA No.	Manifest Of Information in the shaded areas is not required by Federal Law.
3. Generator's Name and Mailing Address Piedmont Airlines, Purch P.O. Box 2720, Winston-S 4. Generator's Phone (315) 768-408	alem. N.C. 27156	EA State Manifest Document No. NY A 580674 6 B. Generators ID N. T. 1344 One i da Lo. At mort. Uniska
5. Transporter 1 (Company Name) Solvents & Petroleum Ser	6. US EPA ID Number	7 4 5 4 00 Transporter's Phone 3 5 4 4 44
7. Transporter 2 (Company Name)	8. US EPA ID Number	E. State Transporter's ID
 Designated Facility Name and Site Address Solvents & Petroleum Ser 1405 Brewerton Rd. 	s 10. US EPA ID Number vice Inc.	CG. State Facility's ID. 1 Peris Fur-
Syracuse, N.Y. 13208	N Y D Q 1 3 2 7	7 4 5 4 315 454-4467
11. US DOT Description (Including Proper Ship	pping Name, Hazard Class and ID Number)	12. Containers 13. 14. Total Unit No. Type Quantity Wt/Vol Waste No.
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16. GENERATOR'S CERTIFICATION: I here classified, packed, marked and labeled, and are in regulations and state laws and regulations.	eby declare that the contents of this consignment are n all respects in proper condition for transport by hi	o fully and accurately described above by proper shipping name and are ighway according to applicable international and national government
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18. Transporter 2 (Acknowledgement or Receipt of Materials)

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19. Discrepancy Indication Space

Printed/Typed Name

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TRANSPORTER

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20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed/Typed Name

Signature

Signature

Mo. Day Year ON.



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TRANSPORTER

FACILITY

STATE OF NEW YORK

DEPARTMENT OF ENVIRONMENTAL CONSERVATION DIVISION OF SOLID AND HAZARDOUS WASTE

HAZARDOUS WASTE MANIFEST

Cariel Pelizzoli MANIFEST RECEIPT

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UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's N Y D 0 7		Do	nifest cument No.	2. P		ation in the s required by f	shaded areas ederal Law.
3. Generator's Name and Mailing Address Piedmont Airlines, Purcha: P.O. Box 2720, Winston-Sa 4. Generator's Phone (315 768-40)	sing Dept. lem. N.C.	M/S A220		un Augen Programs Programs	B G	tate Manifest D NY A eneretor's ID		13424
5. Transporter 1 (Company Name)		6. US EPA II			C S	ate Transporter	8 ID 1 72	X441
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9. Designated Facility Name and Site Address Solvents & Petroleum Serv 1405 Brewerton Rd. Syracuse, N.Y. 13208	ice Inc.	10. US EPA		71 41 51 4	90 S	ate Facility # () acility a Phone		
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Printed/Typed Name		Signature		~ +	\mathcal{A}^{-}	1	Mo.	Day Year
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EPA Form 8700-22 (Rev. 9-88) Previous edition is obsolete.



STATE OF NEW YORK DEPARTMENT OF ENVIRONMENTAL CONSERVATION

DIVISION OF SOLID AND HAZARDOUS WASTE

HAZARDOUS WASTE MANIFEST

P.O. Box 12820 Albany, New York 12212

rease, print or type.	P.O. BOX 12020, Albany,	NOW TOLK IZZIZ	Form Approved.	OMB NO. 2000-0038.	Expires 9-30-00			
UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's US EPA No. Ni Yi Di Oi 7 5 8 2 4	Document	No. 2. Page 1	Information in the is not required by				
3. Generator's Name and Mailing Address Piedmont Airlines, Pur P.O. Box 2720, Winston 4. Generator's Phone (315 768-40)	3. Generator's Name and Mailing Address Piedmont Airlines, Purchasing Dept. M/S A220 P.O. Box 2720, Winston-Salem N C 27156				A State Manifest Document Notice of the Stat			
5. Transporter 1 (Company Name) Solvents & Petroleum Se	6. US EPA ID	•		sporter's ID 🤣	7446P			
7. Transporter 2 (Company Name)								
11. US DOT Description (including Proper St		Number)	ontainers 13 To	tal Unit 🞏				
RQ Waste Flammable Liquid N.O.S.	Flammable Liquid U	, I	3 D M 99	of 551 of 17	Waste No.			
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15. Special Handling Instructions and Additi								
16. GENERATOR'S CERTIFICATION: I https://doi.org/10.1016/j.classified, packed, marked and labeled, and ar regulations and state laws and regulations.	In all respects in proper condition for	transport by highway acc	ording to applicable in	nternational and nati	ional government			
If I am a large quantity generator, I certify that I have practicable and that I have selected the practicable health and the environment; OR, if I am a small quimethod that is available to me and that I can afford. Printed/Typed Name	nethod of treatment, storage, or dispose	i currently available to m	e which minimizes the	a present and future	threat to human aste management			
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Printed/Typed Name	Signature			Mo	Day Year			
19. Discrepancy Indication Space								
<u> </u>	20. Facility Owner of Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.							
Printed/Typed Name	Signature	sel on	Dates	Me L Q	o. Day Year 3316			

COPY 3—Generator—mailed by TSD facility

immediately call the

STATE OF NEW YORK

DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID AND HAZARDOUS WASTE

HAZARDOUS WASTE MANIFEST

P.O. Box 12820, Albany, New York 12212

MANIFEST PECEIPT Form Approved. OMB No. 2050-0039. Expires 9-30-88

		UNIFORM HAZARDOUS 1. Generator's US EPA No. WASTE MANIFEST 1. Generator's US EPA No. Docume		2. Page 1 info	ormation in the shaded areas not required by Federal Law.
		3. Generator's Name and Mailing Address Piedmont Airlines, Purchasing Dept. M/S A220 P.O. Box 2720, Winston-Salem, N.C. 27156 4. Generator's Phone (315) 768-4088		State Manifest NY A Generators Ib	
		5. Transporter 1 (Company Name) 6. US EPA ID Number Solvents & Petroleum Service Inc. N Y D Q 1 3 2 7 7 4		L State Transpor	terato TACES
	ſ	7. Transporter 2 (Company Name) 8. US EPA ID Number		A. Fransporter's F State Transport	bone (3)5), 454-446 tere (D
		9. Designated Facility Name and Site Address Solvents & Petroleum Service Inc. 1405 Brewerton Rd. Syracuse, N.Y. 13208		Transporter's P L. State Facility's Commonwealth L. Facility's Phon	PiD S 18850 (SIX 1971). SATER COLOR OF SIX 1985 B
		11199494719	5 4	315 45 ers 13.	4-4467 14.
G	ŀ	Proper Shipping Name, Hazard Class and ID Number)	No. Ty	Total	Unit Waste No.
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		J. Additional Descriptions for Materials listed Above Contains: Thinner/Nylene Date Proprietable Services Date	Instanta)	Handling Codes	for Wastes Listed Above
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		15. Special Handling Instructions and Additional Information	· · · · · · · · · · · · · · · · · · ·		
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	ı	16. GENERATOR'S CERTIFICATION: 1 hereby declare that the Contents of this consignment are fully and classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway a regulations and state laws and regulations.	according to	applicable iliternati	onal and national government
		I I am a large quantity generator, I certify that I have program in place to reduce the volume and toxicity of waste question and that I have selected the practicable method of treatment, storage, or disposal currently available to leath and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize the method that is available to me and that I can afford.	generated to	the degree I have	determined to be economically
	F	rinted/Typed Name Signature Signature	ا أو المعمر		Mo. Day Year
TRA		7. Transporter 1 (Acknowledgement of Receipt of Materials)	The state of the s		1/2/0/18/7
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ORTER	F	8. Transporter 2 (Acknowledgement or Receipt of Materials) Printed/Typed Name Signature			Mo. Day Year
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EPA	F	orm 8700-22 (Rev. 9-88) Previous edition is obsolete. COPY 3—Generator—maile	d by TS	D facility	

(800) 424-8802 and the N.Y. Department of Transportation (518) 457-7362.

Center

Immediately

TRANSPORTER

DIVISION OF SOLID AND HAZARDOUS WASTE

STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION David Palazysli

HAZARDOUS WASTE MANIFEST

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Ple	easy print or type.	P.O. Box 12820, Albany	, New York 1	12212	Form Approved. OMB	No. 2050-0039. Expires 9-30-88
•	UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's US EPA No.	Doc	ifest ument No.		mation in the shaded areas t required by Federal Law.
	3. Generator's Name and Mailing Address Piedmont Airlines Oneida Cowty Airport 4. Generator's Phone (315 768-783) ORISKANY NY 13424				A. State Manifest (NY-A B. Generator's ID	ocument No.
	Solventa b Petroleums		G State Transporte D Transporter's Pt	ers (D. 49 66 8 6 A pone (3 14) 0 4 5 9 0 6		
	7. Transporter 2 (Company Name)		E. State Transporte	irs ID		
	9. Designated Facility Name and Site Address Solvents Retroleum Se		E. Transporter's Ph G. State Facility's			
	1405 Brewerton Rd SYRACUSE NY 132	OR NYDO	13277		H. Facility's Phone	4-2467
	11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)			12. Contain	ners 13. Total ype Quantity	14. Unit Wt/Vol - Waste No.
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	15. Special Handling Instructions and Additiona	al Information		gr en en grad	e we fee to	
		Andrew Commencer	в. , , , , , [,]	4 1 19 7 - 191		
	 GENERATOR'S CERTIFICATION: I here classified, packed, marked and labeled, and are in regulations and state laws and regulations. 	in all respects in proper condition for	transport by night	way according	to applicable internation	onal and national government
	If I am a large quantity generator, I certify that I have pr practicable and that I have selected the practicable met health and the environment; OR, if I am a small quanti method that is available to me and that I can afford.	ity generator, I have made a good	si currentiv availat	rie to me whici	minimizes the arrest	
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R	18. Transporter 2 (Acknowledgement of Receipt					
E R	Printed/Typed Name 19. Discrepancy Indication Space	Signature				Mo. Day Year
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Ė	20. Facility Owner or Operator: Certification of	receipt of hazardous materials	covered by this	manifest ev	cent as noted in the	m 19

SUEDSKIP!

Printed/Typed Name

Signature)

Please print or type.

of Transportation (518) 457.7362.

case of emergency or splll immediately call

STATE OF NEW YORK DEPARTMENT OF ENVIRONMENTAL CONSERVATION DIVISION OF SOLID AND HAZARDOUS WASTE

1972-41

HAZARDOUS WASTE MANIFEST

P.O. Box 12820, Albany, New York 12212

Form Approved. OMB No. 2050-0039. Expires 9-30-88

	UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's	•	. Do	nifest cument No.	2. Pag		ion in the sha quired by Fed	ded areas eral Law.
	3. Generator's Name and Mailing Address Piedmont Airlines Oneida County Airport 4. Generatory Proner Y 13424 315 768-7831			A State Manifest Document No. 2 Int. 10 Int. 1					
ŀ	5. Transporter 1 (Company Name) 6. US EPA ID Number Solvents & Petroleum Service. Inc. NYD 0 1 3 2 7 7 4 5 4			C. State	é Transporters sporters Phon		65 14-4467		
	7. Transporter 2 (Company Name)		8. US EPA II	1111	<u> </u>	FP Tran	a Transporter's sporter's Phon	(1年4)至为	idos (2)
	9. Designated Facility Name and Site Address Solvents & Petroleum Serv 1405 Brewerton Road Syracuse, N. Y. 13208		10. US EPA	THE LANGE OF THE STATE OF THE S	7 4 5 4	potes (qua H. Faci	e Facility's ID Alfor you east lity's Phone 15 A54~	4 000 (1 W Z	
	11. US DOT Description (Including Proper Sh	ipping Name, Haz	ard Class and II	O Number)	12. Cont	ainers .	13. Total	14. Unit HEIWa	ic.
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	16. GENERATOR'S CERTIFICATION: I he classified, packed, marked and labeled, and are regulations and state laws and regulations. If I am a large quantity generator, I certify that I have practicable and that I have selected the practicable mealth and the environment; OR, if I am a small quantity generator, the selection of the practicable method that is available to me a threat the selection.	program in place to	reduce the volume	and toxicity of	waste general	ted to the d	able internationa	rmined to be ec	onomically
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L T Y	20. Facility Owner or Operator: Certification of Printed/Typed Name	or receipt of nazar	Signature	covered by thi	s manifest	Ann.	noted in Item	9. Mg 5 7	ay Year
EPA	Form 8700-22 (Rev. 9-86) Previous edition is obs	solete. C	CPY 3—Ge	nerator—r	nailed by	y TSD f	acility		

wifest receipt Form Approved. OMB No. 2000-0404. Expires 7-31-86

STATE OF NEW YORK DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID AND HAZARDOUS WASTE HAZARDOUS WASTE MANIFEST P.O. Box 12820, Albany, New York 12212 Please print or type. Information in the shaded areas is not required by Federal Law. 2. Page 1 of 1. Generator's US EPA No. **UNIFORM HAZARDOUS WASTE MANIFEST** N|Y|D|0|7|5|8|2|4|8|6|2 3. Generator's Name and Mailing Address
Piedmont Airlines
Oneida County Airport
Oriskany, N. Y. 13424
4. Generator's Phone (315) 768-7831

COPY 3-

EPA Form 8700-22 (Rev. 4-85) Previous edition is obsolete.

5. Transporter 1 (Company Name)	6. US EPA ID Number	C. State Transpod	eraiD-3/444CP as
Solvents & Petroleum Service, Inc.	N, Y, D, O, 1, 3, 2, 7, 7	4 5 4 D Transporter's P	pone (3) \$0 \$ 0 \$ & 4.6 1
7. Transporter 2 (Company Name)	8. US EPA ID Number	E State Transport	era ID -ex No Bayers and Se
		P. Transporter's P	hone (***)
9. Designated Facility Name and Site Address	10. US EPA ID Number	G State Facility's	
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Syracuse, n. Y. 13208	N, Y, D, O, 1, 3, 2, 7, 7	4 5 4 315 4	4-4467
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Hammas/ Lizuw UN # 125	5 *** ***	10010MO1005	50 000
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15. Special Handling Instructions and Additional Information			
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16. GENERATOR'S CERTIFICATION: I hereby declare that the classified, packed, marked and labeled, and are in all respects in regulations and state laws and regulations. Unless I am a small quantity generator who has been exempted by	proper condition for transport by hi	ghway according to applicable interr	national and national government
Necretary and a state quantity generator who has been exempted by RCRA, I also certify that I have a program in place to reduce volume selected the method of treatment, storage, or disposal currently available.	and toxicity of waste generated to t	ne degree i have determined to de ec	alth and the environment.
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17. Transporter 1 (Acknowledgement of Receipt of Materials)		Λ	Mo. Day Year
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19. Discrepancy Indication Space			
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20. Facility Owner or Operator: Certification of receipt of haz	ardous materials covered by t	ars manifest except as noted in	item 19.
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Generator—mailed by TSD facility



hergency or spill minediately can the National Response Center (800) 424-8802 and the N.Y. Department of Transportation (518) 457-7

EPA Form 8700-22 (Rev. 4-85) Previous edition is obsolete.

STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID AND HAZARDOUS WASTE

HAZARDOUS WASTE MANIFEST

_	P.O. Box 12	2820, Albany, New Yo	rk 12212	Form Approved. O	MB No. 2000-0404, Expires 7-31-86
	UNIFORM HAZARDOUS 1. Generator's	the state of the s	Manifest Document No.	2. Page 1 in	nformation in the shaded areas a not required by Federal Law.
	3. Generator's Name and Mailing Address Piedmont Airlines Oneida County Airport Oriskany, N. Y. 13424 4. Generator's Phone (315) 768-7831	A State Manifest Document No. B. Generator's D. S. Santa Sa			
	5. Transporter 1 (Company Name)	6. US EPA ID Number		The second secon	Porter's ID 4 776 G & 61 A
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	9. Designated Facility Name and Site Address	10. US EPA ID Number		G. State Facilit	yajū sa sast
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	15. Special Handling Instructions and Additional Information				
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	16. GENERATOR'S CERTIFICATION: I hereby declare that the classified, packed, marked and labeled, and are in all respects in proregulations and state laws and regulations.	contents of this consignment are oper condition for transport by	e fully and accurate highway according	ately described above	by proper shipping name and are
	Unless I am a small quantity generator who has been seen and the			4 4 4 4 4	• .
	RCRA, I also certify that I have a program in place to reduce volume an selected the method of treatment, storage, or disposal currently availa	nd toxicity of waste generated to able to me which minimizes the	the degree I hav	e determined to be ex	conomically practicable and I have
	Printed/Typed Name	Signature	<u> </u>	- Inear to number in	Mo. Day Year
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!	20. Facility Owner or Operator: Certification of receipt of hazard	lous materials covered by	this manifest e	xcept as noted in	Item 19.
Y	Printed/Typed Name	Signature	1		Mo. Day Year
	LISA HNUREULD	Mise J	andre	ws.	D8 289

COPY 3—Generator—mailed by TSD facility

ATTACHMENT E
SPDES PERMIT

NAME AND DESCRIPTION OF A SECOND OF SECURITY OF STREET

State Pollutant Discharge Elimination System (SPDES) DISCHARGE PERMIT

Special Conditions (Part 1)

Industrial Code	SIC 3171		Lighty IDNigm			
■ Docharge Class Town Class 1779	((()		UPA Tracking S	kumber 📜 💆	70-86-0130	
Major D. B	<u></u>		Thective Date (I			
Sub D B.	57 52		Expiration Date			3
			Modification D.			
.			Attachment(s);	General Cond	ditions (Part II)	2/85
)		•				
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Committee Maring		JS Air				
]	Street:C	Greater Pittsburg	<u>International</u>	Airport		
}	City:	rittsburgh	State:	PA	Zip C	ode: <u>15231</u>
s authorized to	discharge from the	facility described be	lov			
Facility Name: _		<u> </u>		· · · · · · · · · · · · · · · · · · ·		
	Location (C,T,V):	Syracuse	(County: 0	nondaga	
	Mailing Address (Street): Hancook	International	Airport	· · · · · · · · · · · · · · · · · · ·	
	Mailing Address (City) Syracuse	State:	New York	Zip Code:	13211 .
		at: Latitude		••		
nto receiving wat	ers known as:	Storm sewer trib	utary to Bear T	rap Creek	Class C	(T)
rid: (list other C)	utialls, Receiving V	Vaters & Water Classi	fication)*			
	•	•			•	•
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n accordance wi	h the effluent limit	tations, monitoring re	quirements and oth	ner conditions	set forth in this	permit.
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athorized to disc	harge beyond the	expiration date uniess t	his permit has been	renewed, or e	extended pursua	int to law. To be
egulations.	804 of the Environ	mental Conservation	Law and Parts 621.	. 752, and 755	of the Departs	nents' rules and
Depury PERNIT ADMIN	ISTRATOR	<u></u>	DATE ISSUED			
Robert A. To		•	1/22/83	IADDRES	7481 Henry Liverpool,	Clay Blvd.
Detablished					- verpoor,	13098

Part I Page 2 of 5 Facility ID No. NY 0157473

Monitoring Reconts.

AL EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

During the period beginning EDP

all lasting until

e discharges from the parmitted facility shall be limited and monitored by the permittee as specified below:

				1.0	7100-110
Ourfall Number &	Discharge I	Limitations		Measurenent	Sample
E luent Parameter	Daily Avg.	Daily lax.	<u> Units</u>	Frequency	Tyce
	•		•		
Cutfall 001				•	
Fib: (Monitoring Require Our and Grease	ement Only)		GPD	Monthly	Instantaneous
Q and Grease	• .	15	mg/l	Monthly	Grab***
pH (Range) 6.5 - 8.5			รับ	Monthly	Grab
5 (30	Monciara	GLAD

me, two, or three samples may be collected and analyzed per sampling event. The samples wall be grab samples obtained at 15 minute intervals with the primary sample collected during the first 15 minutes of discharge. If more than one grab sample is collected and analyzed per sampling event, the number reported will be the arithmetic average of the separate lysis.

HIBITIONS: No waters or wastewater generated at locations other than at this facility are to be treated at the facility.

> No industrial or manufacturing process wastewater effluents are permitted, including wastewaters resulting from vehicle maintenance or washing operations.

The permit application must list all the corrosion/scale inhibitors or biocidal-type compounds used by the permittee. If use of new boiler/cooling water additives is intended, application must be made prior to use.

Facil	ity	ID #	NL	015	7173		•
Part	I,	Page	3		of	5	

ACTION LEVEL REQUIREMENTS

The parameters listed below have been reported present in the discharge but at levels that currently do not require water-quality or technology-based limits. Action levels have been established which if exceeded will result in reconsideration of Water Quality and echnology based limits.

Routine action levels monitoring results, if not provided for on the Discharge positoring Report (DMR) form, shall be appended to the DMR for the period during which the parpling was conducted.

If any of the action levels is exceeded, the permittee shall undertake a short-term, ign-intensity monitoring program for this parameter. Samples identical to those required or routine monitoring purposes shall be taken on each of at least three operating days and analyzed. Results shall be expressed in terms of both concentration and mass, and shall be submitted no later than the end of the third month following the month when the action level as first exceeded. Results may be appended to a DMR or transmitted under separate cover to the same addresses. If levels higher than the action levels are confirmed, the results shall exceed application and the permit shall be reopened for consideration of exceeding the same action levels or effluent limits.

The permittee is not authorized to discharge any of the listed parameters at levels pich may cause or contribute to a violation of water quality standards.

MINIMUM MONITORING RECATS.

	FALL NUMBER & UENT PARAMETER	ACTION LEVEL	UNITS	MEASURE PINT	SAMPLE TYPE
1	Panzane	*	mg/l	Annually	Grab
څ	Toluene	*	mg/l	Annually	Grab
	Xylene	*	mg/l	Annually	Grab

The total of these three parameters shall not exceed 0.1 mg/l.

te: Mail Action Level parameter results to:

Department of Environmental Conservation Regional Water Engineer 7401 Henry Clay Blwd., Liverpool, New York 13088

Facility ID# 177 0157473

Part 1, Page 4 of 5

Desinition of Daily Average and Daily Maximum

The daily average discharge is the total discharge by weight or in other appropriate units as specified herein, during a calendar month divided by the number of days in the month that the production or commercial facility was operating. Where less than daily sampling is required by this permit, the daily average discharge shall be determined by the summation of all the ancasured daily discharges in appropriate units as specified herein divided by the number of days during the calendar month when the measurements were made.

The daily maximum discharge means the total discharge by weight or in other appropriate units as specified herein, during any calendar day.

Stonitoring Locations

Show locations of outfalls with sketch or flow diagram as appropriate).

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Facility	ID #	NY 01	57473	
Part 1	Pares	5	οί	5

ONITORING, RECORDING, AND REPORTING

- a) The permittee shall also refer to the General Conditions (Part II) of this permit for additional information concerning monitoring and reporting requirements and conditions.
- b) The monitoring information required by this permit shall be:
 - Summarized, signed and retained for a period of three years from the date of sampling for subsequent inspection by the Department or its designated agent. Effluent limitation parameters only.

Summarized and reported by submitting completed and signed Discharge Tonitoring Report forms once every _____ month(s) to the locations specified below. Blank forms available at department offices listed below. The first report will be due no later than _____ Thereafter, reports shall be submitted no later than the 28th of the following month(s):______

Department of Environmental Conservation Regional Water Enginer

Department of Environmental Conservation Water Division 50 Wolf Road, Albany, New York 12233

☐ (Applicable only if checked)

Chief

Permit Administration Branch
Planning & Management Division
USEPA Region II, 26 Federal Plaza
New York, New York 10278

- c) If so directed, Monthly Wastewater Treatment Plant Operator's Reports should be submitted to the Regional Engineer and County Health Department or County Environmental Control Agency specified above.
- d) Monitoring must be conducted according to test procedures approved under 40 CFR Part 136, unless other test procedures have been specified in this permit.
- e) If the permittee monitors any pollutant more frequently than required by the permit, using test procedures approved under 40 CFR 136 or as specified in the permit, the results of this monitoring shall be included in the calculations and recording of the data on the Discharge Monitoring Reports.
- i) Calculations for all limitations which require averaging of measurements shall utilize an arithmetic mean unless otherwise specified in this permit.
- g) Unless otherwise specified, all information recorded on the Discharge Monitoring Report shall be based upon measurements and sampling carried out during the most recently completed reporting period.
- h) On or after April 1, 1984, any laboratory test or sample analysis required by this permit for which the State Commissioner of Health issues certificates of approval pursuant to section five hundred two of the Public health Law shall be conducted by a laboratory which has been issued a certificate of approval. Inquires regarding laboratory certification should be sent to the Laboratory Certification Quality Assurance Group, New York State Health Department Center for Laboratories and Research, Division of Environmental Sciences, The Nelson A. Rockefeller Empire State Plaza, Albany, New York 12201.

ATTACHMENT F

OIL/WATER SEPARATOR EFFLUENT ANALYTICAL RESULTS



HUNTINGDON ANALYTICAL SERVICES

Division of **EMPIRE SOILS INVESTIGATIONS INC.** PO Box 250 Middleport New York 14105
Tel: (716) 735-3400 FAX (716) 735-3653

Environmental Analytical Report For:

EMPIRE SOILS INVESTIGATIONS, INC. - GROTON

PROJECT NAME: U. S. AIR

HAS Ref. # 91-1422

September 25, 1991



HUNTINGDON ANALYTICAL SERVICES ELAP #10833 ENVIRONMENTAL REPORT

HAS Reference Numbers: #91-1422

September 25, 1991

Statement of Work Performed

I hereby declare that the work was performed under my supervision according to the procedures outlined by the following references and that this report provides a correct and faithful record of the results obtained.

- 40 CFR Part 136, "Guidelines Establishing Test Procedures for the Analysis of Pollutants Under the Clean Water Act," October 26, 1984 (Federal Register) U. S. Environmental Protection Agency.
- U. S. Environmental Protection Agency, "Test Methods of Evaluating Solid Waste - Physical/Chemical Methods, " Office of Solid Waste and Emergency Response, SW-846, 2nd Edition and 3rd Edition.
- New York State Department of Health, Analytical Toxicology Laboratory Handbook, August 1982.

Katherine A. Syracrise Lab Director, Environmental

REPORT CODE LEGEND:

<DL = Less than detection limit</pre>

ND = Not detected

NA = Not applicable

INP = Information not provided

MB = Method Blank

METHOD DOH 310-13
PETROLEUM PRODUCTS IN WATER

SAMPLE IDENTIFICATION :	METHOD BLANK	MW-2
HAS SAMPLE #91-1422-		001
DATE ANALYZED:	9-20-91	9-20-91
COMPOUND	RESULT ug/L	RESULT ug/L
GASOLINE KEROSENE FUEL OILS LÜBE OIL		ND <100 <100 ND

ND = NONE DETECTED

METHOD 602 PURSEABLE AROMATICS

SAMPLE IDENTIFICATION :	METHOD BLANK	EFFLUENT	BLANK
HAS SAMPLE #91-1422-		002	003
DATE ANALYZED:	9-13-91	9-13-91	9-13-91
COMPOUND	RESULT ug/l	RESULT. ug/l	RESULT ug/l
BENZENE	<0.50 <0.50 <0.50 <1.0	1.6 28 11 190	<0.50 <0.50 <0.50 <1.0



HUNTINGDON ANALYTICAL SERVICES

Division of **EMPIRE SOILS INVESTIGATIONS INC.**

PO Box 250 Middleport New York 14105 Tel: (716) 735-3400 FAX (716) 735-3653

Environmental Analytical Report For:

EMPIRE SOILS INVESTIGATIONS, INC. - GROTON

PROJECT NAME: U. S. AIR

HAS Ref. # 91-1461

September 30, 1991



HUNTINGDON ANALYTICAL SERVICES ELAP #10833 ENVIRONMENTAL REPORT

HAS Reference Numbers: #91-1461

September 30, 1991

Statement of Work Performed

I hereby declare that the work was performed under my supervision according to the procedures outlined by the following references and that this report provides a correct and faithful record of the results obtained.

- 40 CFR Part 136, "Guidelines Establishing Test Procedures for the Analysis of Pollutants Under the Clean Water Act," October 26, 1984 (Federal Register) U. S. Environmental Protection Agency.
- U. S. Environmental Protection Agency, "Test Methods of Evaluating Solid Waste Physical/Chemical Methods, " Office of Solid Waste and Emergency Response, SW-846, 2nd Edition and 3rd Edition.
- New York State Department of Health, Analytical Toxicology Laboratory Handbook, August 1982.

Richard J. Ronan, Ph.D. Lab Director, Environmental

REPORT CODE LEGEND:

<DL = Less than detection limit

ND = Not detected

NA = Not applicable

INP = Information not provided

MB = Method Blank

Inorganic Wet Chemical Analyses

Sample Identification: INP

HAS Sample #91-1461-003.004

Date Samoled: 9/18/91

 Analyte)) Date Date			i () Units	
i on	: : 150.1 :	i ; + : 9/19/91	, , 0.10 ;	6.94	. S.U.	100*
(Oil and Grease	i, ; 413.1 !		1.0	1.2	i i wā\; i	100+ :

^{*} A known standard of the analyte of interest was analyzed along with this sample with the percent recovery indicated above.

METHOD 802 PURSEABLE AROMATICS

SAMPLE IDENTIFICATION:	METHOD BLANK	. EFFLUENT	BLANK
HAS SAMPLE #91-1451-	 1	001	.002
GATE ANALYZED:	10-1-91	10-1-91 v	10-1-91
COMPOUND	RESULT ug/l	: RESULT :- : Aş/1	RESULT ug/1
GENZENE TOLLIENE ETHYL BENZENE TOTAL XYLEMES		. (3.6 (3.0 (5.0 (5.0	(0.50 (0.50 (0.50 (0.50

3845 ROUTE 11 SOUTH, CORTLAND, N.Y. 13045

P.O. BOX 5150 607-753-3403

Report Date:

10/01/92

Lab Log Number:

9209189

LABORATORY REPORT

EMPIRE SOILS INVESTIGATIONS Client:

Site:

U.S. Air

Project No: GTA-91-68

Sample Date: 9/18/92 by J. Storey, Received 9/21/92

Sample: Water - Effluent

RESULTS

EPA Method

Oil & Grease

413.1

4.60 mg/L

Note: pH in field 9.1

This analysis is certified as conforming to generally accepted laboratory practices and requirements of the New York State Health Department ELAP program.

> John H. Buck, P.E. Laboratory Director

NYS ELAP CERT 10795

3845 ROUTE 11 SOUTH, CORTLAND, N.Y. 13045

P.O. 80X 5150 607-753-3403

NYS ELAP CERT 10795

LABORATORY REPORT

Client: EMPIRE SOILS INVESTIGATIONS

Site:

U.S. Air

Project No:

GTA-91-68

Sample:

Water

Report Date:

Sampling Date: Sampled By:

9/25/92 9/18/92 J. Storey

Date Received: Analysis Date:

9/21/92 9/21/92

Lab Log No:

9209189

BTEX (By EPA 602 and NYSDOH 310-19)

	1				
Sample ID & Dates	Benzene	Toluene	Ethyl Benzene	(m,p,o) Xylenes	Late Peaks
9/18/92				<u> </u>	
Water	ND	ND	ND	ND	Y

All concentrations are reported as ug/L.

ND indicates that no amount greater than 1.0 ug/L was detected.

This analysis is certified as conforming to generally accepted laboratory practices and requirements of the New York State Health Department ELAP program.

> John H. Buck, P.E. Laboratory Director

TABLE 1 SUMMARY OF ANALYTICAL RESULTS OIL-WATER SEPARATOR EFFLUENT U.S. AIR

SYRACUSE, NEW YORK PROJECT NO.: GTA-91-68

DATE	BTX EPA METHOD 602 (ug/l)	OIL AND GREASE EPA METHOD 413.1 (mg/l)	pH EPA METHOD 150.1 (S.U.)
07-18-91	*156.90	2.8	7.14
09-05-91	4.22		
09-11-91	*219.60		
09-18-91	34.00	1.2	6.94
10-21-91	16.00	3.7	6.69
11-22-91	47.00	ND	6.24
12-31-91	*138.70	5.5	6.10
01-23-92	79.50	3.4	6.20
02-19-92	ND	3.0	8.30
03-23-92	ND	2.8	7.50
09-28-92	ND	4.6	9.10

NOTES:

- All concentrations for EPA Method 602 are presented as the sum of benzene, toluene, and total xylenes (BTX).
- pH values recorded after 12/31/91 were determined in the field using a pH meter.
- ND None detected.
 - Value exceeds the NYSDEC State Pollutant Discharge System (SPDES) permit requirements of 100 ug/l for BTX.
- --- No data available.

ENVIRONMENTAL ANALYTICAL REPORT

REPORT NUMBER 91-1725

PREPARED FOR:

EMPIRE SOILS INVESTIGATIONS, INC. 105 CORONA AVENUE GROTON, NEW YORK 13073

RE: U.S. AIR

PREPARED BY:

HUNTINGDON ANALYTICAL SERVICES
DIVISION OF EMPIRE SOILS INVESTIGATIONS, INC.
P.O. BOX 250
MIDDLEPORT, NEW YORK 14105

NOVEMBER 1, 1991



HUNTINGDON ANALYTICAL SERVICES ELAP #10833 ENVIRONMENTAL REPORT

REPORT NUMBER 91-1725

STATEMENT OF WORK PERFORMED

I HEREBY DECLARE THAT THE WORK WAS PERFORMED UNDER MY SUPERVISION ACCORDING TO THE PROCEDURES OUTLINED BY THE FOLLOWING REFERENCES AND THAT THIS REPORT PROVIDES A CORRECT AND FAITHFUL RECORD OF THE RESULTS OBTAINED.

- 40 CFR PART 136, "GUIDELINES ESTABLISHING TEST PROCEDURES FOR THE ANALYSIS OF POLLUTANTS UNDER THE CLEAN WATER ACT", OCTOBER 26, 1984 (FEDERAL REGISTER) U. S. ENVIRONMENTAL PROTECTION AGENCY.
- U.S. ENVIRONMENTAL PROTECTION AGENCY, "TEST METHODS OF EVALUATING SOLID WASTE PHYSICAL/CHEMICAL METHODS, "OFFICE OF SOLID WASTE AND EMERGENCY RESPONSE, SW-846, 2ND EDITION AND 3RD EDITION.
- NEW YORK STATE DEPARTMENT OF HEALTH, ANALYTICAL TOXICOLOGY LABORATORY HANDBOOK, AUGUST 1982.

RICHARD J. RONAN, PH.D.

LABORATORY DIRECTOR, ENVIRONMENTAL

REPORT CODE LEGEND:

<DL = LESS THAN DETECTION LIMIT

ND = NOT DETECTED

NA = NOT APPLICABLE

INP = INFORMATION NOT PROVIDED

MB = METHOD BLANK



Inorçanic Wet Chemical Analyses

Sample Identification: SFF

HAS Samble #91-1725-062.003

Date Sampled: 10/24/91

Analyte	I EPA Methoo	; Date ; ; Prepareol;	Jate (Analyzed)				/ 00 in %
; 9H	1 150.I)		;		ì	
	413.1) 110/28/91(1	: 16/28/91: i	1 1	5.7	: mq/l .)	1 1 75* 1 .

^{*} A known standard of the analyte of interest was analyzed along with this sample with the percent recovery indicated above.

METHOD 602 PURGEABLE AROMATICS

SAMPLE IDENTIFICATION:	METHOD BLANK	EFFLUENT	BLANK
HAS SAMPLE #91-1725		001A	0010
DATE ANALYZED:	10-29-91	10-30-91	10-30-91
COMPOUND	RESULT ug/l	RESULT ug/l	RESULT ug/l
BENZENE TOLUENE ETHYL BENZENE	<0.50 <0.50 <0.50	<2.5 <2.5 3.7	<0.50 <0.50 <0.50
TOTAL XYLENES	<1.0	16	<1.0

Collection Col	RECORD	ANAL	9 B B B
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ENVIRONMENTAL ANALYTICAL REPORT

REPORT NUMBER 91-1896

PREPARED FOR:

EMPIRE SOILS INVESTIGATIONS, INC. 105 CORONA AVENUE GROTON, NEW YORK 13073

RE: U.S. AIR

PREPARED BY:

HUNTINGDON ANALYTICAL SERVICES
DIVISION OF EMPIRE SOILS INVESTIGATIONS, INC.
P.O. BOX 250
MIDDLEPORT, NEW YORK 14105

DECEMBER 11, 1991



HUNTINGDON ANALYTICAL SERVICES ELAP #10833 ENVIRONMENTAL REPORT

REPORT NUMBER 91-1896

STATEMENT OF WORK PERFORMED

I HEREBY DECLARE THAT THE WORK WAS PERFORMED UNDER MY SUPERVISION ACCORDING TO THE PROCEDURES OUTLINED BY THE FOLLOWING REFERENCES AND THAT THIS REPORT PROVIDES A CORRECT AND FAITHFUL RECORD OF THE RESULTS OBTAINED.

- 40 CFR PART 136, "GUIDELINES ESTABLISHING TEST PROCEDURES FOR THE ANALYSIS OF POLLUTANTS UNDER THE CLEAN WATER ACT", OCTOBER 26, 1984 (FEDERAL REGISTER) U. S. ENVIRONMENTAL PROTECTION AGENCY.
- U.S. ENVIRONMENTAL PROTECTION AGENCY, "TEST METHODS OF EVALUATING SOLID WASTE PHYSICAL/CHEMICAL METHODS, " OFFICE OF SOLID WASTE AND EMERGENCY RESPONSE, SW-846, 2ND EDITION AND 3RD EDITION.
- NEW YORK STATE DEPARTMENT OF HEALTH, ANALYTICAL TOXICOLOGY LABORATORY HANDBOOK, AUGUST 1982.

RICHARD J. RONAN, PH.D. LABORATORY DIRECTOR, ENVIRONMENTAL

REPORT CODE LEGEND:

<DL = LESS THAN DETECTION LIMIT

ND = NOT DETECTED

NA = NOT APPLICABLE

INP = INFORMATION NOT PROVIDED

MB = METHOD BLANK

Inorganio Wet Chemical Analyses

Sample Identification: EFF

HAS Sample #91-1890-001

Date Samoled: 11/22/91

 Analyte	; ! EPA Method	; Date ; Precarecia	Date (1		Result	 	
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 $[\]star$ A known standard of the analyte of interest was analyzed along with this sample with the percent recovery indicated above.

^{**} This indicates that a 95 % confidence limit was achieved with an EPA Quality Control Check analyzed with this sample.

[#] Sample received for analysis after recommended holding time.

METHOD 602 PURGEABLE AROMATICS

SAMPLE IDENTIFICATION : 1	METHOD BLANK	EFFLUENT	BLANK
HAS SAMPLE #91-1896-		001A	001C
DATE ANALYZED:	12-6-91	12-6-91	12-6-91
COMPOUND	RESULT ug/l	RESULT ug/l	RESULT ug/l
BENZENE TOLUENEETHYL BENZENE	<0.50 <0.50 <0.50	<5.0 <5.0 <5.0	<0.50 <0.50 <0.50
TOTAL XYLENES	<1.0	47	<1.0

Sheet Contest of the contest of the		P.O. #	Analysis Requested/	**************************************	LEPA 602/BIEX,	16PA 150.1/ PH	EPA 413.1 /0.1 + Greek	EPA 602/BTEX						Date/ Time: Received By:	Dete/ Time: Received By:	
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ENVIRONMENTAL ANALYTICAL REPORT

REPORT NUMBER 92-020

PREPARED FOR:

EMPIRE SOILS INVESTIGATIONS, INC. 105 CORONA AVENUE GROTON, NEW YORK 13073

RE: U.S AIR/GTA-91-68A

PREPARED BY:

HUNTINGDON ANALYTICAL SERVICES
DIVISION OF EMPIRE SOILS INVESTIGATIONS, INC.
P.O. BOX 250
MIDDLEPORT, NEW YORK 14105

JANUARY 16, 1992



HUNTINGDON ANALYTICAL SERVICES ELAP #10833 ENVIRONMENTAL REPORT

REPORT NUMBER 92-020

STATEMENT OF WORK PERFORMED

I HEREBY DECLARE THAT THE WORK WAS PERFORMED UNDER MY SUPERVISION ACCORDING TO THE PROCEDURES OUTLINED BY THE FOLLOWING REFERENCES AND THAT THIS REPORT PROVIDES A CORRECT AND FAITHFUL RECORD OF THE RESULTS OBTAINED.

- 40 CFR PART 136, "GUIDELINES ESTABLISHING TEST PROCEDURES FOR THE ANALYSIS OF POLLUTANTS UNDER THE CLEAN WATER ACT", OCTOBER 26, 1984 (FEDERAL REGISTER) U. S. ENVIRONMENTAL PROTECTION AGENCY.
- U.S. ENVIRONMENTAL PROTECTION AGENCY, "TEST METHODS OF EVALUATING SOLID WASTE PHYSICAL/CHEMICAL METHODS, " OFFICE OF SOLID WASTE AND EMERGENCY RESPONSE, SW-846, 2ND EDITION AND 3RD EDITION.
- NEW YORK STATE DEPARTMENT OF HEALTH, ANALYTICAL TOXICOLOGY LABORATORY HANDBOOK, AUGUST 1982.

RICHARD J. RONAN, PH.D.

LABORATORY DIRECTOR, ENVIRONMENTAL

REPORT CODE LEGEND:

<DL = LESS THAN DETECTION LIMIT

ND = NOT DETECTED

NA = NOT APPLICABLE

INP = INFORMATION NOT PROVIDED

MB = METHOD BLANK



Inorganic Wet Chemical Analyses

Sample Identification: EFF

HAS Sample #92-020-001

Date Sampled: 12/31/91

Analyte	i : : EPA Metnod ;) Date /	Method : Detection: Limit :	Result	i i i Units	1 1 1 0 0 in %
) pH	1 150.1	· · · · · · · · · · · · · · · · · · ·	 1/7/92 	0.10 i	6.10		1 <1*** 1 #.95**
Oil and Grease	413.1	! 1/8/92 ' .	 1/8/92 	1.0 i	5.5	l wå∕l I	i ! 95* ;

- \star A known standard of the analyte of interest was analyzed along with this sample with the percent recovery indicated above.
- ** This indicates that a 95 % confidence limit was achieved with an EPA Quality Control Check analyzed with this sample.
- *** This sample was analyzed in duplicate with the RPD indicated above.
 - * Sample received for analysis after recommended holding time.

METHOD 602 PURGEABLE AROMATICS

SAMPLE IDENTIFICATION:	METHOD BLANK	BLANK	EFFLUENT
HAS SAMPLE #92-020-		001	002
DATE ANALYZED:	1-9-92	1-9-92	1-9-92
COMPOUND	RESULT ug/l	RESULT ug/l	RESULT ug/l
BENZENE TOLUENE ETHYL BENZENE TOTAL XYLENES	<0.50 <0.50 <0.50 <1.0	<0.50 <0.50 <0.50 <1.0	9.7 34 8.4 95

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ENVIRONMENTAL ANALYTICAL REPORT

REPORT NUMBER 92-127

PREPARED FOR:

EMPIRE SOILS INVESTIGATIONS, INC. 105 CORONA AVENUE GROTON, NEW YORK 13073

RE: U. S. AIR (GTA-91-68A)

PREPARED BY:

HUNTINGDON ANALYTICAL SERVICES
DIVISION OF EMPIRE SOILS INVESTIGATIONS, INC.
P.O. BOX 250
MIDDLEPORT, NEW YORK 14105

JANUARY 30, 1992



HUNTINGDON ANALYTICAL SERVICES ELAP #10833 ENVIRONMENTAL REPORT

REPORT NUMBER 92-127

STATEMENT OF WORK PERFORMED

I HEREBY DECLARE THAT THE WORK WAS PERFORMED UNDER MY SUPERVISION ACCORDING TO THE PROCEDURES OUTLINED BY THE FOLLOWING REFERENCES AND THAT THIS REPORT PROVIDES A CORRECT AND FAITHFUL RECORD OF THE RESULTS OBTAINED.

- 40 CFR PART 136, "GUIDELINES ESTABLISHING TEST PROCEDURES FOR THE ANALYSIS OF POLLUTANTS UNDER THE CLEAN WATER ACT", OCTOBER 26, 1984 (FEDERAL REGISTER) U. S. ENVIRONMENTAL PROTECTION AGENCY.
- U.S. ENVIRONMENTAL PROTECTION AGENCY, "TEST METHODS OF EVALUATING SOLID WASTE PHYSICAL/CHEMICAL METHODS, "OFFICE OF SOLID WASTE AND EMERGENCY RESPONSE, SW-846, 2ND EDITION AND 3RD EDITION.
- NEW YORK STATE DEPARTMENT OF HEALTH, ANALYTICAL TOXICOLOGY LABORATORY HANDBOOK, AUGUST 1982.

RICHARD J. RONAN, PH.D.

LABORATORY DIRECTOR, ENVIRONMENTAL

REPORT CODE LEGEND:

<DL = Less than detection limit

ND = NOT DETECTED

NA = NOT APPLICABLE

INP = INFORMATION NOT PROVIDED

MB = METHOD BLANK



Inorganic Wet Chemical Analyses

Sample Identification: EFFLUENT

.HAS Sample #92-127-001

Date Sampled: 1/23/92

i Anaiyte	 		Date i	Method Detection Limit	Result) (Units	. . QC in %
 Oil and Grease 	 413.1 	1/29/92	1/29/92 1/29/92	2 ± 0	3.4	i i mg/l	100*

^{*} A known standard of the analyte of interest was analyzed along with this sample with the percent recovery indicated above.

METHOD 602 PURGEABLE AROMATICS

SAMPLE IDENTIFICATION:	METHOD BLANK	EFFLUENT	BLANK
HAS SAMPLE #92-127-		001A	0010
DATE ANALYZED:	1-27-92	1-27-92	1-27-92
COMPOUND	RESULT ug/l	RESULT ug/l	RESULT ug/l
BENZENE TOLUENE ETHYL BENZENE TOTAL XYLENES	<0.50	4.5 13 4.0 62	<0.50 <0.50 <0.50 <1.0

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	Ictions Home	Empire Soils citient cont	Karen &	Z HAS QUOTE #
	Address Groton	.! <i>/</i>	1885-848-209	<u>18</u>]
-	A89-16-675	Project/Site Rene:	Conteiner Size & Type	
	Semplers, Manethred;	HAS Ref. 1849 T T SEE		Analysis Requested/
	Semple	Grebitocetionised # X		
	Ky.	,		18TEX/602
	BLANK1-23 1000	X111)\		\
	Efflect 1-23 1000	X EFFLUENT	 X	10:1 + Grease / 4/3.1
			- -	
a.				
.*	Republiched Cay:	1-23-921/6001	Relinquished by: 	Date/ Time: Received By:
	Relanguished by:	Date/ Time: Received by:	Relinquished by:	Date/ Time: Received By:
٠.	E LIDELIER DY:	Detel Time: Ancolyage for tab by:	1 12-1-1 (24-10:54)	
	·			

DISCREPANCY/DEFICIENCY REPORT FORM

Laboratory Manager

cc: Client report file

FROM:) 222 U 222	· · · · · · · · · · · · · · · · · · ·				
DATE: 1 3 4 92				•		
RE: Sample I.D. Batch No.		27.00 20113	ol B			
EXPLANATION:	,	<i></i>				
Secon	1 110	<u> </u>	Lah		20/1.	22-92
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ENVIRONMENTAL ANALYTICAL REPORT

REPORT NUMBER 92-298

PREPARED FOR:

EMPIRE SOILS INVESTIGATIONS, INC. 105 CORONA AVENUE GROTON, NEW YORK 13073

RE: US AIR/GTA-91-68A

PREPARED BY:

HUNTINGDON ANALYTICAL SERVICES
DIVISION OF EMPIRE SOILS INVESTIGATIONS, INC.
P.O. BOX 250
MIDDLEPORT, NEW YORK 14105

FEBRUARY 28, 1992



REPORT NUMBER 92-298

STATEMENT OF WORK PERFORMED

I HEREBY DECLARE THAT THE WORK WAS PERFORMED UNDER MY SUPERVISION ACCORDING TO THE PROCEDURES OUTLINED BY THE FOLLOWING REFERENCES AND THAT THIS REPORT PROVIDES A CORRECT AND FAITHFUL RECORD OF THE RESULTS OBTAINED.

- 40 CFR PART 136, "GUIDELINES ESTABLISHING TEST PROCEDURES FOR THE ANALYSIS OF POLLUTANTS UNDER THE CLEAN WATER ACT", OCTOBER 26, 1984 (FEDERAL REGISTER) U. S. ENVIRONMENTAL PROTECTION AGENCY.
- U.S. ENVIRONMENTAL PROTECTION AGENCY, "TEST METHODS OF EVALUATING SOLID WASTE PHYSICAL/CHEMICAL METHODS, " OFFICE OF SOLID WASTE AND EMERGENCY RESPONSE, SW-846, 2ND EDITION AND 3RD EDITION.
- NEW YORK STATE DEPARTMENT OF HEALTH, ANALYTICAL TOXICOLOGY LABORATORY HANDBOOK, AUGUST 1982.

RICHARD J. RONAN, PH.D.

LABORATORY DIRECTOR, ENVIRONMENTAL

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HUNTINGDON ANALYTICAL SERVICES ENVIRONMENTAL

Inorganic Wet Chemical Analyses

Analyte: Oil and Grease

EPA Method No.: 413.1 .

Samole Date	HAS Samble #92-	Client I.D.	. Oate Prepared	Oate Analyzeo	Result	Units	QC in %
	•			e e e			,
INP	298-001	Effluent	2/25/92	2/25/92	3.0	mā/l	92*

^{*} A known standard of the analyte of interest was analyzed along with this sample with the percent recovery indicated above.

HUNTINGDON ANALYTICAL SERVICES ENVIRONMENTAL

SAMPLE IDENTIFICATION : 1	METHOD BLANK	EFFLUENT
HAS SAMPLE #92-298-		001
DATE ANALYZED:	2-25-92	2-25-92
COMPOUND	RESULT	RESULT ug/l
BENZENE TOLUENE ETHYL BENZENE	<0.50 <0.50	<0.50 <0.50
TOTAL XYLENES	<0.50 <1.0	<0.50 <1.0

Client Nome EMPLY 105 (Empire Soils In 105 Corona Ay Grobon, NY 13	Investigations Ave 13073	Client	60.7-848-58	Kulen seitz 602-848-5881	TAS GLOCK .
Saplers (Signature):		2		Contelant St.	a lype	Analysis Requested/ Remarks
	Comp. Grabit	Grabilocationises.	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	/ / / / / / / /	3	EPA 602/BTEX
E [[] wh!	×	8		 ×	7	EPA 413-1/0,1 and Greuse
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Relinquished by:	Dete/ T	Date/ Time: Received	by:	Relinquished	by:	Date/ Time: Received By:
		101 00000000000000000000000000000000000	tor Lab by:	75100	line; Remarks:	

ENVIRONMENTAL ANALYTICAL REPORT

REPORT NUMBER 92-478

PREPARED FOR:

EMPIRE SOILS INVESTIGATIONS, INC. 105 CORONA AVENUE GROTON, NEW YORK 13073

RE: GTA-91-68A; U.S. AIR

PREPARED BY:

HUNTINGDON ANALYTICAL SERVICES
DIVISION OF EMPIRE SOILS INVESTIGATIONS, INC.
P.O. BOX 250
MIDDLEPORT, NEW YORK 14105

APRIL 2, 1992

REPORT NUMBER 92-478

STATEMENT OF WORK PERFORMED

I HEREBY DECLARE THAT THE WORK WAS PERFORMED UNDER MY SUPERVISION ACCORDING TO THE PROCEDURES OUTLINED BY THE FOLLOWING REFERENCES AND THAT THIS REPORT PROVIDES A CORRECT AND FAITHFUL RECORD OF THE RESULTS OBTAINED.

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RICHARD J. RONAN, PH.D.

APRIL 2, 1992

LABORATORY DIRECTOR, ENVIRONMENTAL

REPORT CODE LEGEND:

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HUNTINGDON ANALYTICAL SERVICES ENVIRONMENTAL

Inorgánic Wet Chemical Analyses

Analyte: Oil and Grease

EPA Method No.: 413.1

		Client 1.0.			Result	Units	QC in	Ų.
3/23/92	478-001	Effluent	3/25/92	3/25/ 9 2	2.8	mg/l	93*	

^{*} A known standard of the analyte of interest was analyzed along with this sample with the percent recovery indicated above.

HUNTINGDON ANALYTICAL SERVICES ENVIRONMENTAL

SAMPLE IDENTIFICATION	METHOD BLANK	EFFLUENT
HAS SAMPLE #92-478-	~~~~	001
COMPOUND	RESULT ug/l	RESULT ug/l
BENZENE TOLUENE ETHYL BENZENE TOTAL XYLENES	<0.50 <0.50 <0.50 <1.0	<0.50 <0.50 <0.50 <1.0
DATE SAMPLED: DATE RECEIVED: DATE EXTRACTED: DATE ANALYZED:	3-26-92 3-26-92	3-23-92 3-24-92 3-26-92 3-26-92

		-		1				
1 1 2	Client None _ F. D. O. C. S. S.	1 6	CHAIM-OF-CUSTODY RECORD		ANA.	ANALITICAL REQUEST FORM SEL KULPIN SELT-Z	NAG	1 10 3884
P	nators	606 AV 13073	1 1 1		7	88-2-868	-	
. 0	67.0 - 41-68A	Project/Site Neme:	E 4	212	Conteiner	\$12¢ & 1yp		
5	Samplers (Signature):	HAS Ref.	77	lo als:	15 / F	<u></u>	<u></u>	Analysis Requested/
Semp	Semple	Seption	HAS I		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	_	<u></u>	
百年	-ent3/23/22 1630		001 lm	7	- -		187	BTEX/EPA 602
159	Effect 32/92/10 301	X	M = M		X		Ø	+ Grease / EPA 413.
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R + L	Relinquiehed by:	Davison Lines Anderekved	for ta	1 p p 2:	753.0	Perst Timer Remarks:		

ENVIRONMENTAL ANALYTICAL REPORT

REPORT NUMBER: 93-1025

PREPARED FOR:

EMPIRE SOILS INVESTIGATIONS, INC. 105 CORONA AVENUE GROTON, NEW YORK 13073

RE: GTA-93-43; U.S. AIR

PREPARED BY:

HUNTINGDON ANALYTICAL SERVICES
DIVISION OF EMPIRE SOILS INVESTIGATIONS, INC.
P.O. BOX 250
MIDDLEPORT, NEW YORK 14105
TELEPHONE: 716/735-3400; FAX: 716/735-3653

AUGUST 12, 1993

PAGE 1



REPORT NUMBER: 93-1025

STATEMENT OF WORK PERFORMED

I HEREBY DECLARE THAT THE WORK WAS PERFORMED UNDER MY SUPERVISION ACCORDING TO THE PROCEDURES OUTLINED BY THE FOLLOWING REFERENCES AND THAT THIS REPORT PROVIDES A CORRECT AND FAITHFUL RECORD OF THE RESULTS OBTAINED.

- 40 CFR PART 136, "GUIDELINES ESTABLISHING TEST PROCEDURES FOR THE ANALYSIS OF POLLUTANTS UNDER THE CLEAN WATER ACT", OCTOBER 26, 1984 (FEDERAL REGISTER) U. S. ENVIRONMENTAL PROTECTION AGENCY.
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THIS REPORT CONTAINS ANALYTICAL DATA BASED ON OUR EXAMINATION OF THE SAMPLE(S) PRESENTED TO US. THIS REPORT CONTAINS (EXCEPT WHERE EXPLICITLY STATED) A COMPLETE ACCOUNT OF THE ANALYSES REQUESTED TO BE PERFORMED ON THE SAMPLE(S). INFORMATION WHICH WAS NOT REQUESTED TO BE REPORTED IS NOT INCLUDED.

BRYAN E. MASTIN

AUGUST 12, 1993

ENVIRONMENTAL LABORATORY DIRECTOR

REPORT CODE LEGEND:

<DL = Less than detection limit</p>

ND = NOT DETECTED

NA = NOT APPLICABLE

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WET CHEMISTRY

SAMPLE IDENTIFICATION:			OIL WATER SEPARATOR	METHOD BLANK	
HAS SAMPLE #931025		·	01		
ANALYTE	EPA METHOD	DATE ANALYZED	RESULT	RESULT	UNITS
pHOIL and GREASE	150.1 413.1	7/20/93 7/21/93	6.83 3.7	<1.0	S.U. mg/L
DATE SAMPLED:			7/19/93		

MILTIES SOLLS HAVESTICATIONS, INC.

Analysis Requested/Remar-Ref. No.: 93-1035 Page of 016×518ASE Received by: Received by: Quote # Container Size & Type CHAIN OF CUSTODY RECORD AND ANALYTICAL REQUEST FORM Date/Time; Date/Time; GIA-83.43 Remarks: 120 F 250 Relinquished by: Sampler's Signature: Relinquished by: Project Site/Name;/ Dale/Time: Cont. o Project No.: Matrix 420 Received for Lab by: Seq. # HAS Received by: Received by: OIL WAR. Sample Location ~30× 858.0-858 Comp or Grab 0 100 COCO~A Georges N. Date/Time: Date/Time; Date/Time: 8331-6 Time 0077 STAC 2-15-53 Date Religquished hy: Rélinquissied by: Relinquished by: Client Name: OLWAR Sample Address: Contact: Phone:

ENVIRONMENTAL ANALYTICAL REPORT

REPORT NUMBER: 93-1266

PREPARED FOR:

EMPIRE SOILS INVESTIGATIONS, INC. 105 CORONA AVENUE GROTON, NEW YORK 13073

RE: U.S. AIR (GTA-93-43)

PREPARED BY:

HUNTINGDON ANALYTICAL SERVICES
DIVISION OF EMPIRE SOILS INVESTIGATIONS, INC.
P.O. BOX 250
MIDDLEPORT, NEW YORK 14105
TELEPHONE: 716/735-3400; FAX: 716/735-3653

SEPTEMBER 24, 1993

PAGE 1



REPORT NUMBER: 93-1266

STATEMENT OF WORK PERFORMED

I HEREBY DECLARE THAT THE WORK WAS PERFORMED UNDER MY SUPERVISION ACCORDING TO THE PROCEDURES OUTLINED BY THE FOLLOWING REFERENCES AND THAT THIS REPORT PROVIDES A CORRECT AND FAITHFUL RECORD OF THE RESULTS OBTAINED.

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- U.S. ENVIRONMENTAL PROTECTION AGENCY, "TEST METHODS OF EVALUATING SOLID WASTE PHYSICAL/CHEMICAL METHODS", OFFICE OF SOLID WASTE AND EMERGENCY RESPONSE, SW-846, 2ND EDITION AND 3RD EDITION.

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BRYAN E. MASTIN

SEPTEMBER 24, 1993

ENVIRONMENTAL LABORATORY DIRECTOR

REPORT CODE LEGEND:

<DL = Less than detection limit

ND = NOT DETECTED

NA = NOT APPLICABLE

INP = INFORMATION NOT PROVIDED



WET CHEMISTRY

SAMPLE IDENTIFICATION:

OIL WATER

HAS SAMPLE #931266

01

ANALYTE	EPA METHOD	DATE ANALYZED	RESULT	UNITS
pH	150.1	9/3/93	7.14	S.U.
DATE SAMPLED:			9/2/93	

SAMPLE IDENTIFICATION:	OILWATER	METHOD BLANK	
HAS SAMPLE #931266	01	••	
ANALYTE	RESULT ug/l	RESULT ug/l	MDL ug/l
BENZENE	< 5.0	<0.50	0.50
TOLUENE	< 5.0	<0.50	0.50
ETHYL BENZENE	< 5.0	<0.50	0.50
M/P - XYLENES	19	<1.0	1.0
O - XYLENES	47	<0.50	0.50
DATE EXTRACTED:	9-10-93	9-10-93	
DATE ANALYZED:	9-10-93	9-10-93	

METHOD DOH 310-13
PETROLEUM PRODUCTS IN WATER

SAMPLE IDENTIFICATION	Oil Water	METHOD BLANK	
HAS SAMPLE #931266	01		
ANALYTE	RESULT	RESULT	MDL
	ug/L	ug/L	ug/L
GASOLINE	ND	ND	ND
	2,200*	<100	100
	<100	<100	100
	ND	ND	ND
DATE EXTRACTED:	9-16-93	9-16-93	
DATE ANALYZED:	9-23-93	9-22-93	

ND=NONE DETECTED

^{*} Extremely weathered pattern.

ENVIRONMENTAL ANALYTICAL REPORT

REPORT NUMBER: 93-1403

PREPARED FOR:

Empire Soils Investigations, Inc. 105 Corona Avenue Groton, New York 13073

RE: U.S. AIR (GTA-93-43)

PREPARED BY:

HUNTINGDON ANALYTICAL SERVICES
DIVISION OF EMPIRE SOILS INVESTIGATIONS, INC.
P.O. BOX 250
MIDDLEPORT, NEW YORK 14105
TELEPHONE: 716/735-3400; FAX: 716/735-3653

OCTOBER 12, 1993

PAGE 1



REPORT NUMBER: 93-1403

STATEMENT OF WORK PERFORMED

I HEREBY DECLARE THAT THE WORK WAS PERFORMED UNDER MY SUPERVISION ACCORDING TO THE PROCEDURES OUTLINED BY THE FOLLOWING REFERENCES AND THAT THIS REPORT PROVIDES A CORRECT AND FAITHFUL RECORD OF THE RESULTS OBTAINED.

- 40 CFR PART 136, "GUIDELINES ESTABLISHING TEST PROCEDURES FOR THE ANALYSIS OF POLLUTANTS UNDER THE CLEAN WATER ACT", OCTOBER 26, 1984 (FEDERAL REGISTER) U. S. ENVIRONMENTAL PROTECTION AGENCY.
- U.S. Environmental Protection Agency, "Test Methods of Evaluating Solid Waste Physical/Chemical Methods", Office of Solid Waste and Emergency Response, SW-846, 2nd Edition and 3rd Edition.

THIS REPORT CONTAINS ANALYTICAL DATA BASED ON OUR EXAMINATION OF THE SAMPLE(S) PRESENTED TO US. THIS REPORT CONTAINS (EXCEPT WHERE EXPLICITLY STATED) A COMPLETE ACCOUNT OF THE ANALYSES REQUESTED TO BE PERFORMED ON THE SAMPLE(S). INFORMATION WHICH WAS NOT REQUESTED TO BE REPORTED IS NOT INCLUDED.

BRYAN E. MASTIN

OCTOBER 12, 1993

ENVIRONMENTAL LABORATORY DIRECTOR

REPORT CODE LEGEND:

<DL = LESS THAN DETECTION LIMIT

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WET CHEMISTRY

SAMPLE IDENTIFICATION:			239	METHOD BLANK
HAS SAMPLE #931403		* The second of the second of	01	
ANALYTE	EPA METHOD	DATE ANALYZED	RESULT	RESULT
pH	150.1	9/30/93	6.30 S.U.	
OIL and GREASE	413.1	10/8/93	11 mg/L	<1.0 mg/L
DATE SAMPLED:			9/29/93	•

SAMPLE IDENTIFICATION:	OIL WATER	METHOD BLANK	
HAS SAMPLE #931403	01		
ANALYTE	RESULT	RESULT	MDL
	ug/l	ug/l	ug/l
BENZENE	13	<0.50	0.50
	48	<0.50	0.50
	13	<0.50	0.50
	61	<1.0	1.0
	62	<0.50	0.50
DATE EXTRACTED:	10-1-93	10-1-93	
DATE ANALYZED:	10-1-93	10-1-93	

Oct-

ENVIRONMENTAL ANALYTICAL REPORT

REPORT NUMBER: 93-1516

PREPARED FOR:

EMPIRE SOILS INVESTIGATIONS, INC. 105 CORONA AVENUE GROTON, NEW YORK 13073

RE: U.S. AIR (GT-93-43)

PREPARED BY:

HUNTINGDON ANALYTICAL SERVICES
DIVISION OF EMPIRE SOILS INVESTIGATIONS, INC.
P.O. BOX 250
MIDDLEPORT, NEW YORK 14105
TELEPHONE: 716/735-3400; FAX: 716/735-3653

NOVEMBER 8, 1993

PAGE 1



REPORT NUMBER: 93-1516

STATEMENT OF WORK PERFORMED

I HEREBY DECLARE THAT THE WORK WAS PERFORMED UNDER MY SUPERVISION ACCORDING TO THE PROCEDURES OUTLINED BY THE FOLLOWING REFERENCES AND THAT THIS REPORT PROVIDES A CORRECT AND FAITHFUL RECORD OF THE RESULTS OBTAINED.

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BRYAN E. MASTIN

NOVEMBER 8, 1993

MANAGER, ENVIRONMENTAL SERVICES

REPORT CODE LEGEND:

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NA = NOT APPLICABLE

INP = INFORMATION NOT PROVIDED



WET CHEMISTRY

SAMPLE IDENTIFICATION:			OIL/WATER
HAS SAMPLE #931516			01
ANALYTE	EPA METHOD	DATE ANALYZED	RESULT
pH	150.1	10/21/93	7.11 S.U.
DATE SAMPLED:			10/20/93

SAMPLE IDENTIFICATION:	Oil/Water	METHOD BLANK	
HAS SAMPLE #931516	01		
ANALYTE	RESULT	RESULT	MDL
	ug/I	ug/l	ug/l
BENZENE	0.75	<0.50	0.50
	16	<0.50	0.50
	3.1	<0.50	0.50
	45	<1.0	1.0
	53	<0.50	0.50
DATE EXTRACTED:	10-25-93	1 0-2 5-93	
DATE ANALYZED:	10-25-93	1 0-2 5-93	

SAMPLE IDENTIFICATION:	OILWATER	METHOD BLANK	
HAS SAMPLE #931716	01	-	
ANALYTE	RESULT ug/l	RESULT ug/l	MDL ug/l
BENZENE	1.3	<0.50	0.50
TOLUENE	10.4	<0.50	0.50
ETHYL BENZENE —	6.8	<0.50	0.50
M/P · XYLENES	51	< 1.0	1.0
O · XYLENES	45	<0.50	0.50
DATE EXTRACTED:	11-22-93	11-22-93	
DATE ANALYZED:	11-22-93	11-22-93	

WET CHEMISTRY

MPLE IDENTIFICATION		=	OIL WATER	BLANK
ABGANCTE #931716		•	01	••
ANALYTE	epa Method	DATE ANALYZED	RESULT	RESULT
pH	150.1	11/22/93	5.57 S.U.	••••
IL and GRRASE	413.1	11/30/93	5.2 mg/L	<1.0 mg/l
ATEGAMPLED:			11/19/93	

ENVIRONMENTAL ANALYTICAL REPORT

REPORT NUMBER: 93-1716

PREPARED FOR:

EMPIRE SOILS INVESTIGATIONS, INC. 105 CORONA AVENUE GROTON, NEW YORK 13073

RE: U.S. AIR (GTA-93-43)

PREPARED BY:

HUNTINGDON ANALYTICAL SERVICES
DIVISION OF EMPIRE SOILS INVESTIGATIONS, INC.
P.O. Box 250
MIDDLEPORT, NEW YORK 14105
TELEPHONE: 716/735-3400; FAX: 716/735-3653

DECEMBER 13, 1993

PAGE 1



REPORT NUMBER: 93-1716

STATEMENT OF WORK PERFORMED

I HEREBY DECLARE THAT THE WORK WAS PERFORMED UNDER MY SUPERVISION ACCORDING TO THE PROCEDURES OUTLINED BY THE FOLLOWING REFERENCES AND THAT THIS REPORT PROVIDES A CORRECT AND FAITHFUL RECORD OF THE RESULTS OBTAINED.

- 40 CFR PART 136, "GUIDELINES ESTABLISHING TEST PROCEDURES FOR THE ANALYSIS OF POLLUTANTS UNDER THE CLEAN WATER ACT", OCTOBER 26, 1984 (FEDERAL REGISTER) U. S. ENVIRONMENTAL PROTECTION AGENCY.
- U.S. ENVIRONMENTAL PROTECTION AGENCY, "TEST METHODS OF EVALUATING SOLID WASTE PHYSICAL/CHEMICAL METHODS", OFFICE OF SOLID WASTE AND EMERGENCY RESPONSE, SW-846, 2ND EDITION AND 3RD EDITION.

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BRYAN E. MASTIN

DECEMBER 13, 1993

MANAGER, ENVIRONMENTAL SERVICES

REPORT CODE LEGEND:

< DL = LESS THAN DETECTION LIMIT

ND = NOT DETECTED

NA = NOT APPLICABLE

INP = INFORMATION NOT PROVIDED



WET CHEMISTRY

SAMPLE IDENTIFICATION:			OIL WATER	METHOD BLANK
HAS SAMPLE #931716			01	
ANALYTE	EPA METHOD	DATE ANALYZED	RESULT	RESULT
	150.1	11/22/93	5.57 S.U.	·
IL and GREASE	413.1	11/30/93	5.2 mg/L	<1.0 mg/L
DATE SAMPLED:			11/19/93	•

SAMPLE IDENTIFICATION:	OILWATER	METHOD BLANK	
HAS SAMPLE #931716	01		
ANALYTE	RESULT ug/l	RESULT ug/l	MDL ug/l
BENZENE	1.3 10.4 6.8 51 45	<0.50 <0.50 <0.50 <1.0 <0.50	0.50 0.50 0.50 1.0 0.50
DATE EXTRACTED: DATE ANALYZED:	11-22-93 11-22-93	11-22-93 11-22-93	

EMPIRE SOILS INVESTIGATIONS, INC.

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ENVIRONMENTAL ANALYTICAL REPORT

REPORT NUMBER: 93-0565

PREPARED FOR:

EMPIRE SOILS INVESTIGATIONS, INC. 105 CORONA AVENUE GROTON, NEW YORK 13073

RE: GTA-93-43; U.S. AIR

PREPARED BY:

HUNTINGDON ANALYTICAL SERVICES
DIVISION OF EMPIRE SOILS INVESTIGATIONS, INC.
P.O. BOX 250
MIDDLEPORT, NEW YORK 14105
TELEPHONE: 716/735-3400; FAX: 716/735-3653

APRIL 23, 1993

PAGE 1



WET CHEMISTRY

SAMPLE IDENTIFICATION:	OIL/WATER	BLANK
HAS SAMPLE #930565	01	.
ANALYTE EPA DATE METHOD ANALYZED	RESULT	RESULT mg/L
pH	7.69 S.U.	·
OIL and GREASE 413.1 4/21/93	16 mg/L	<1.0
DATE SAMPLED:	4/16/93	

METHOD 602 PURGEABLE AROMATICS

SAMPLE IDENTIFICATION:	OIL/WATER	BLANK	METHOD BLANK	
HAS SAMPLE #930565	01	02	-	
ANALYTE	RESULT ug/l	RESULT ug/l	RESULT ug/l	MDL ug/l
BENZENE TOLUENE ETHYL BENZENE TOTAL XYLENES	16 31 <0.50 140	<0.50 3.3 <0.50 <1.0	<0.50 <0.50 <0.50 <1.0	<0.50 <0.50 <0.50 <1.0
DATE EXTRACTED: DATE ANALYZED:	4-21-93 4-21-93	4-21-93 4-21-93	4-21-93 4-21-93	

ENVIRONMENTAL ANALYTICAL REPORT

REPORT NUMBER: 93-0693

PREPARED FOR:

EMPIRE SOILS INVESTIGATIONS, INC. 105 CORONA AVENUE GROTON, NEW YORK 13073

RE: GTA-93-44; U.S.AIR

PREPARED BY:

HUNTINGDON ANALYTICAL SERVICES
DIVISION OF EMPIRE SOILS INVESTIGATIONS, INC.
P.O. BOX 250
MIDDLEPORT, NEW YORK 14105
TELEPHONE: 716/735-3400; FAX: 716/735-3653

MAY 18, 1993

PAGE 1



HUNTINGDON ANALYTICAL SERVICES ELAP #10833 ENVIRONMENTAL REPORT

REPORT NUMBER: 93-0693

STATEMENT OF WORK PERFORMED

I HEREBY DECLARE THAT THE WORK WAS PERFORMED UNDER MY SUPERVISION ACCORDING TO THE PROCEDURES OUTLINED BY THE FOLLOWING REFERENCES AND THAT THIS REPORT PROVIDES A CORRECT AND FAITHFUL RECORD OF THE RESULTS OBTAINED.

- 40 CFR PART 136, "GUIDELINES ESTABLISHING TEST PROCEDURES FOR THE ANALYSIS OF POLLUTANTS UNDER THE CLEAN WATER ACT", OCTOBER 26, 1984 (FEDERAL REGISTER) U. S. ENVIRONMENTAL PROTECTION AGENCY.
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ANDREW P. CLIFTON

MAY 18, 1993

ENVIRONMENTAL LABORATORY DIRECTOR

REPORT CODE LEGEND:

<DL = LESS THAN DETECTION LIMIT

ND = NOT DETECTED

NA = NOT APPLICABLE

INP = INFORMATION NOT PROVIDED

MB = METHOD BLANK



WET CHEMISTRY

SAMPLE IDENTIFICATION:			OIL/WATER	METHOD BLANK
HAS SAMPLE #930693		.:-	01	
ANALYTE	EPA METHOD	DATE ANALYZED	RESULT	RESULT mg/L
pH	150.1	5/11/93	6.39 S.U.	
OIL and GREASE	413.1	5/12/93	37 mg/L	<1.0
DATE SAMPLED:			5/6/93	

EMPIRE SOILS INVESTIGATIONS, INC.

HUNTINGDON ANALYTICAL SERVICES

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Page

CHAIN OF CUSTODY RECORD AND ANALYTICAL REQUEST FORM

Analysis Requested/Remarks HAS Ref. No.: 93-0(993)DIEMS O Received by: 180.0 HAS Quote # P.O. #_ Container Size & Type Date/Time: G74-93-44 2 % Relinquished by: Ide Sampler's Signature: Project Site/Name: Cont. Š. of Project No.: んり Matrix 130° Seq. # HAS Received by: Z Scottens S. C. WARE Location Sample Total N. V. 13073 602-858-USW 0923-LOU-GORDUM AUS. Comp Grab 0 Date/Time: 1130 Time 16 30 57640 2-6-23 0,6/WAted 5-6-53 Date Relinguished by: 0,6/WAFA Client Name: Sample Address: Contact: Phone:

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Received by:

Date/Time:

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Date/Time:

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(25//25)

Remarks:

Daye/Time: 5/11/93

Received for Lab by:

Date/Time:

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HUNTINGDON ANALYTICAL SERVICES ELAP #10833 ENVIRONMENTAL REPORT

REPORT NUMBER: 93-0684

STATEMENT OF WORK PERFORMED

I HEREBY DECLARE THAT THE WORK WAS PERFORMED UNDER MY SUPERVISION ACCORDING TO THE PROCEDURES OUTLINED BY THE FOLLOWING REFERENCES AND THAT THIS REPORT PROVIDES A CORRECT AND FAITHFUL RECORD OF THE RESULTS OBTAINED.

- 40 CFR PART 136, "GUIDELINES ESTABLISHING TEST PROCEDURES FOR THE ANALYSIS OF POLLUTANTS UNDER THE CLEAN WATER ACT", OCTOBER 26, 1984 (FEDERAL REGISTER) U. S. ENVIRONMENTAL PROTECTION AGENCY.
- U.S. ENVIRONMENTAL PROTECTION AGENCY, "TEST METHODS OF EVALUATING SOLID WASTE PHYSICAL/CHEMICAL METHODS", OFFICE OF SOLID WASTE AND EMERGENCY RESPONSE, SW-846, 2ND EDITION AND 3RD EDITION.

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ANDREW P. CLIFTON

JUNE 22, 1993

ENVIRONMENTAL LABORATORY DIRECTOR

REPORT CODE LEGEND:

<DL = LESS THAN DETECTION LIMIT</p>

ND = NOT DETECTED

NA = NOT APPLICABLE

INP = Information not provided

MB = METHOD BLANK



WET CHEMISTRY

SAMPLE IDENTIFICATION:			OIL WATER	BLANK
HAS SAMPLE #930684			01	
ANALYTE	EPA METHOD	DATE ANALYZED	RESULT	RESULT mg/L
pH	150.1	5/7/93	6.25 S.U.	
OIL and GREASE	413.1	5/12/93	9.9 mg/L	<1.0
DATE SAMPLED:			5/5/93	

Page of

EMPIRE SOILS INVESTIGATIONS, INC.

HUNTINGDON ANALYTICAL SERVICES

CHAIN OF CUSTODY RECORD AND ANALYTICAL REQUEST FORM

HAS Ref. No.: 93()/084 HAS Quote #_ P.O. #_ GTA-83-43 Sampler's Signature: Project Site/Name: Project No.: (092h)-188-0-834-209 Emoine So. 15 STRUC ZIENLE 100 Corowa Client Name: Address: Contact: Phone:

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ENVIRONMENTAL ANALYTICAL REPORT

REPORT NUMBER: 93-1897

PREPARED FOR:

EMPIRE SOILS INVESTIGATIONS, INC. 105 CORONA AVENUE GROTON, NEW YORK 13073

RE: U.S. AIR (GTA-93-43)

PREPARED BY:

HUNTINGDON ANALYTICAL SERVICES
DIVISION OF EMPIRE SOILS INVESTIGATIONS, INC.
P.O. Box 250
MIDDLEPORT, NEW YORK 14105
TELEPHONE: 716/735-3400; FAX: 716/735-3653

JANUARY 26, 1994

PAGE 1



HUNTINGDON ANALYTICAL SERVICES ELAP #10833 ENVIRONMENTAL REPORT

REPORT NUMBER: 93-1897

STATEMENT OF WORK PERFORMED

I HEREBY DECLARE THAT THE WORK WAS PERFORMED UNDER MY SUPERVISION ACCORDING TO THE PROCEDURES OUTLINED BY THE FOLLOWING REFERENCES AND THAT THIS REPORT PROVIDES A CORRECT AND FAITHFUL RECORD OF THE RESULTS OBTAINED.

- 40 CFR PART 136, "GUIDELINES ESTABLISHING TEST PROCEDURES FOR THE ANALYSIS OF POLLUTANTS UNDER THE CLEAN WATER ACT", OCTOBER 26, 1984 (FEDERAL REGISTER) U. S. ENVIRONMENTAL PROTECTION AGENCY.
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Douglas F. Gillard January 26, 1994

MANAGER, ENVIRONMENTAL SERVICES

REPORT CODE LEGEND:

< DL = Less than detection limit

ND = NOT DETECTED

NA = NOT APPLICABLE

INP = INFORMATION NOT PROVIDED

MB = METHOD BLANK



WET CHEMISTRY

SAMPLE IDENTIFICATION:			OIL WATER	METHOD BLANK
HAS SAMPLE #931897			01	••
ANALYTE	EPA METHOD	DATE ANALYZED	RESULT	RESULT
ρH	150.1	12/22/93	7.51 S.U.	••••
OIL and GREASE	413.1	01/03/94	2.3 mg/L	<1.0 mg/L
DATE SAMPLED:		,	12/17/93	••••

EPA METHOD 602 PURGEABLE AROMATICS

SAMPLE IDENTIFICATION:	OIL WATER	METHOD BLANK	
HAS SAMPLE #931897	01		
ANALYTE	RESULT ug/L	RESULT ug/L	MDL ug/L
BENZENE	<0.50 <0.50 <0.50 <1.0 <0.50	<0.50 <0.50 <0.50 <1.0 <0.50	0.50 0.50 0.50 1.0 0.50
DATE ANALYZED:	12-23-93	12-23-93	

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ENVIRONMENTAL ANALYTICAL REPORT

REPORT NUMBER: 94-0646

PREPARED FOR:

HUNTINGDON ENGINEERING & ENVIRONMENTAL 105 CORONA AVENUE GROTON, NEW YORK 13073

RE: US AIR (GTA-93-43)

PREPARED BY:

HUNTINGDON ANALYTICAL SERVICES
DIVISION OF EMPIRE SOILS INVESTIGATIONS, INC.
P.O. BOX 250
MIDDLEPORT, NEW YORK 14105
TELEPHONE: 716/735-3400; FAX: 716/735-3653

MAY 12, 1994

PAGE 1

Huntingdon-

HUNTINGDON ANALYTICAL SERVICES ELAP #10833 ENVIRONMENTAL REPORT

REPORT NUMBER: 94-0646

STATEMENT OF WORK PERFORMED

I HEREBY DECLARE THAT THE WORK WAS PERFORMED UNDER MY SUPERVISION ACCORDING TO THE PROCEDURES OUTLINED BY THE FOLLOWING REFERENCES AND THAT THIS REPORT PROVIDES A CORRECT AND FAITHFUL RECORD OF THE RESULTS OBTAINED.

- 40 CFR PART 136, "GUIDELINES ESTABLISHING TEST PROCEDURES FOR THE ANALYSIS OF POLLUTANTS UNDER THE CLEAN WATER ACT", OCTOBER 26, 1984 (FEDERAL REGISTER) U. S. ENVIRONMENTAL PROTECTION AGENCY.
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PHILLIP A. KUYKENDALL

ENVIRONMENTAL LABORATORY DIRECTOR

REPORT CODE LEGEND:

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ND = NOT DETECTED

NA = NOT APPLICABLE

INP = INFORMATION NOT PROVIDED

MB = METHOD BLANK

Huntingdon

WET CHEMISTRY

SAMPLE IDENTIFICATION:			OIL-WATER	METHOD BLANK	UNITS
HAS SAMPLE #940646			01		
ANALYTE	EPA METHOD	DATE ANALYZED	RESULT	RESULT	
_ pH	150.1	05/03/94	6.67		S.U.
OIL and GREASE	413.1	05/05/94	5.6	<1.0	mg/L
DATE SAMPLED:			04/28/94		

EPA METHOD 602 PURGEABLE AROMATICS

SAMPLE IDENTIFICATION:	OIL-WATER	METHOD BLANK	
HAS SAMPLE #940646	01	 .	
ANALYTE .	RESULT ug/L	RESULT ug/L	MDL ug/L
BENZENE	1.8	< 0.50	0.50
TOLUENE	24	< 0.50	0.50
ETHYLBENZENE	7.5	< 0.50	0.50
m/p-XYLENE	79	< 1.0	1.0
o-XYLENE	73	< 0.50	5.0
DATE ANALYZED:	5/4/94	5/4/94	

ENIPIRE SOILS INVESTIGATIONS, INC.

HUNTINGDON ANALYTICAL SERVICES

Page 1 of

CHAIN OF CUSTODY RECORD AND ANALYTICAL REQUEST FORM

Analysis Requested/Remark's 602 BTEX, Ph, Oll & bregge HAS Ref. No.: 93-01 53-44 9790-76 HAS Quote # P.O. #_ Container Size & Type GTA 93 43 346 Project Site/Name: USBIR 4 Sampler's Signature: Cont. o Prints 1 Project No.: Matrix SH Seq. # HAS Z 0 Sample Location Elichorge 13073 Comp Client Name: FMPIRE Soils INV Grab Grab 0 105 Corona Ave 898-5881 Greten, N.Y. STEVE ZEINTEK Time 00 h1 46/82/h Date 600 Sample 1.D. DIL-WARR Address: Contact: Phone:

Retinquished by:	Date/Time: 4/21/94 1500	Received by:	Relinquished by:	Date/Time: 9.0	Received by: AIR BORN EXRE
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ENVIRONMENTAL ANALYTICAL REPORT

REPORT NUMBER: 94-0775

PREPARED FOR:

HUNTINGDON ENGINEERING & ENVIRONMENTAL 105 CORONA AVENUE GROTON, NEW YORK 13073

RE: US AIR (GTA-93-43)

PREPARED BY:

HUNTINGDON ANALYTICAL SERVICES
P.O. BOX 250
MIDDLEPORT, NEW YORK 14105
TELEPHONE: 716/735-3400; FAX: 716/735-3653

JUNE 10, 1994

Huntingdon

HUNTINGDON ANALYTICAL SERVICES ELAP #10833 ENVIRONMENTAL REPORT

REPORT NUMBER: 94-0775

STATEMENT OF WORK PERFORMED

I HEREBY DECLARE THAT THE WORK WAS PERFORMED UNDER MY SUPERVISION ACCORDING TO THE PROCEDURES OUTLINED BY THE FOLLOWING REFERENCES AND THAT THIS REPORT PROVIDES A CORRECT AND FAITHFUL RECORD OF THE RESULTS OBTAINED.

- 40 CFR Part 136, "Guidelines Establishing Test Procedures for the Analysis of Pollutants Under the Clean Water Act", October 26, 1984 (Federal Register) U. S. Environmental Protection Agency.
- U.S. ENVIRONMENTAL PROTECTION AGENCY, "Test Methods of Evaluating Solid Waste Physical/Chemical Methods", Office of Solid Waste and Emergency Response, SW-846, 2nd Edition and 3rd Edition.

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PHILLIP A. KUYKENDALL

ENVIRONMENTAL LABORATORY MANAGER

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ND = NOT DETECTED

NA = NOT APPLICABLE

INP = INFORMATION NOT PROVIDED

MB = METHOD BLANK

Huntingdon

WET CHEMISTRY

SAMPLE IDENTIFICATION:			OIL WATER	METHOD BLANK	
HAS SAMPLE #940775			01		,÷
ANALYTE	EPA METHOD	DATE ANALYZED	RESULT	RESULT	UNITS
OIL and GREASE	150.1 413.1	05/26/94 06/01/94	7.38 3.1	<1.0	S.U. mg/L
DATE SAMPLED:			05/24/94		

EPA METHOD 602 PURGEABLE AROMATICS

SAMPLE IDENTIFICATION:	OIL WATER	METHOD BLANK	
HAS SAMPLE #940775	01		
ANALYTE	RESULT ug/L	RESULT ug/L	DL ug/I
BENZENE TOLUENE ETHYLBENZENE m/p-XYLENE o-XYLENE	<0.50 <0.50 <1.0	<0.50 <0.50 <0.50 <1.0 <0.50	0.50 0.50 0.50 1.0 0.50
DATE ANALYZED:	5-28-94	5-27-94	

EMPIRE SOILS INVESTIGATIONS, INC.

Client Name: SSI Client Contact: 72.	ES.	7				Cllen	Cllent Contact:	St. J.P.	ç		HAS Quote #
Address:	070	ton of	1,3073			Phone:		002-86	855.2	12/12/20	P.O. *
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ATTACHMENT G MAJOR PETROLEUM FACILITY LICENSE

New York State Department of Environmental Conservation Region 7 Division of Spills Management 615 Erie Bivd. W., Syracuse, NY 13204-2400 (315) 426-7519



CERTIFIED MAIL April 19, 1994

US Air Fuel Storage Facility P.O. Box 216 Syracuse, NY 13211

ATTENTION: John Messenger

RE: MAJOR OIL STORAGE FACILITY LICENSE NO. 7-2220

Dear Owner/Operator:

Enclosed herein is your Major Petroleum Facility License #7-2220 which expires March 31, 1995. You must reapply 90 days before that date and comply with any new or modified conditions or guidelines to prevent, contain, cleanup and remove discharges of petroleum to surface and groundwater. Scheduled facility inspections will be made annually by Department representatives, as well as random inspections. Information regarding license fees will be sent by the Division of Fiscal Management, Oil Spill Revenue Unit.

The Department bases the issuance of this license upon an evaluation of the information contained in your application, onsite facility inspections and:

<u>X</u>	evaluation	on of	submitted	state	and	federal	plans	to
,	prevent,	contro	l, contain	and r	emove	discharge	es <u>OR</u>	

	a	schedule	of	when	such	plans	are	to	be	submitted.
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The Department hereby certifies that this major facility currently:

- X has implemented or ___ is in the process of implementing state and federal plans and regulations for the prevention, control, containment and removal of discharges.
- X has implemented or ___ is in the process of implementing the requirements of 6 NYCRR Parts 613.2 through 613.9 and 614.2 through 614.14.

Included in your license are General, Standard and Special Conditions as deemed necessary to protect the waters of the State based upon evaluation of state and federal plans, compliance with 6 NYCRR Parts 613 and 614, environmental setting and/or facility inspections.

MOSF LICENSE NO. 7-2220 April 19, 1994 page 2

Future license renewals will be based on, among other factors, the history of spills and discharges at the major onshore facility, the history of compliance with the applicable provisions of 6 NYCRR Parts 613 and 614, a review of submitted plans inspections of the major onshore facility, compliance with license conditions and additional guidelines as subsequently issued.

Please post this license conspicuously at the facility for which it is issued.

Sincerely,

John J. Piston

Environmental Engineer

Enc: License Conditions

cc: Bureau of Source Control Registration Section

a:2220.95

GENERAL CONDITIONS FOR MAJOR PETROLEUM FACILITY LICENSE

- 1. No chemical dispersants may be employed in the clean-up of a spill or discharge without approval. If a Spill Prevention and Containment Plan or spill clean-up plan contains a list of chemical or biological agents that are to be used in clean-up operations, the use of such chemicals is subject to prior approval from the Department.
- The use of sorbents shall be limited to the cleanup of small spills and the final cleanup of large spills.
- Disposal of all recovered petroleum products and oil-soaked debris shall be in accordance with 6 NYCRR Section 611.6.
- 4. The owner or operator shall maintain all equipment, including spill clean-up equipment, in good repair.
- 5. Major additions, changes or rehabilitation in the structures or equipment of the onshore major facility, which would materially affect the potential for a petroleum discharge must be approved in advance by the Department. Any amendments or changes to any plans submitted with or referred to in the license application shall be promptly furnished to the Regional Offices.
- 6. The Department shall be notified of all leaks or spills immediately, but in no case later than 2 hours after the spill. Notification must be made by calling the DEC Spill Hotline at (800) or (518) 457-7362.
- 7. Any person transporting and/or disposing of recovered oil and/or oily debris must be registered by the Department, as a "REGISTERED WASTE HAULER" pursuant to 6 NYCRR Part 364 and must transport the material to a disposal facility shown on the Part 364 registration.
- 8. License fees must be paid by the licensee as required by 17 NYCRR Section 30.9, "Oil Spill Prevention and Control, Licensing of Major Facilities".
- 9. The owner or operator of the facility shall provide access to the facility to representatives of the Department during normal business hours for the purpose of determining compliance with State and federal regulations and all general, standard and special conditions of this license.
- 10. Department Initiated Modifications, Suspensions or Revocations and Licensee Initiated Modifications:

Department Initiated Modifications, Suspensions or Revocations

(a) The Department may modify, suspend or revoke this license

at any time based on the grounds including, but not limited to, the following:

- (1) materially false or inaccurate statements in the license application or supporting documentation;
- (2) failure by the licensee to comply with any terms or conditions of the license;
- (3) exceeding the scope of the project as described in the license application;
- (4) failure to pay monthly license fees and/or submit monthly license reports;
- (5) newly discovered material information or a material change in environmental conditions, relevant technology or applicable law or regulations since the issuance of the existing license; or
- (6) noncompliance with previously issued license conditions, orders of the Commissioner, any provision of the Navigation Law or Environmental Conservation Law or the regulations adopted pursuant to such laws related to the licensed activity.
- (b) The Department shall send a notice of intent to modify, suspend or revoke a license to the licensee by mail or personal service. The notice shall state the alleged facts or conduct which appear to warrant the intended action.
- (c) Within 15 days of the date of such notice of intent, the licensee may submit a written statement to the Department, giving reasons why the permit should not be modified, suspended or revoked, or requesting a hearing, or both. Failure by the licensee to submit a timely statement shall result in the Department's action becoming effective on the date specified in the notice of intent.
- (d) Within 30 days of receipt of the licensee's statement, the Department shall either:
 - (1) if a statement without a request for a hearing is submitted, rescind or confirm the notice of intent based on a review of the information provided by the licensee; or
 - (2) if a statement with a request for a hearing has been submitted, notify the licensee of a date and place for a hearing, to be commenced not later than 60 days from this notification.

- (e) In the event such a hearing is held, the Commissioner shall, within 30 days of receipt of the complete record, issue a decision which:
 - (1) continues the license in effect as originally issued;
 - (2) modifies the license, or suspends it for a stated period of time or upon stated conditions; or
 - (3) revokes the license, including where ordered by the Commissioner, removal or modification of all or any portion of a project, whether completed or not.

Notice of the decision, stating the findings and reasons therefor, shall be mailed to the licensee.

- (f) Where the Department proposed to modify a license and the licensee requests a hearing on the proposed modification, the original license conditions remain in effect until there has been a decision issued by the Commissioner as provided herein. At such time the modified license conditions will take effect.
 - (g) Nothing in these license conditions shall preclude or affect the Commissioner's authority to issue summary abatement orders under ECL 71-0301 or take emergency action summarily suspending a license under section 401(3) of the State Administrative Procedure Act.

Licensee Initiated Modifications

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Applications for modification of a license must include a statement of necessity or reasons for the modification, as well as a description of the requested modification. The Department shall notify the licensee of its decision, by mail, within fifteen days of receipt of such application. An application for modification may be denied for failure to meet any of the standards or criteria applicable under the Navigation Law and regulations adopted thereunder, Article 8 of the Environmental Conservation Law or for any of the reasons set forth in paragraphs (a) (1) - (6) above.

The Department may determine that an application for modification shall be treated as a new application for a license if:

- (1) the application represents a material change in existing license conditions or in the scope of permitted activities; or
- (2) there is newly discovered material information or there has been a material change in environmental

conditions, relevant technology or applicable law or regulations since the issuance of the existing license;

Until the Department grants a request for modification requested by a licensee, the original license conditions remain in effect.

MAJOR OIL STORAGE FACILITY LICENSE SPECIAL CONDITIONS CHECK-LIST

<u>Instructions:</u> If an "X" appears in the column labeled "Condition", the specified condition applies to the license issued to the facility. The details of each condition and compliance dates are included in the section titled, "MAJOR OIL STORAGE FACILITY SPECIAL LICENSE CONDITIONS (Instructions and Deadlines)."

Section Condition Number	Section Title
	Installation of Monitoring Wells
1(a)	Initial Installation of Monitoring Wells
1(b)	Additional Monitoring Wells
	Sampling and Testing of Monitoring Wells
2(a)	Initial Testing of Monitoring Wells
2(b)	Six Month Testing of Monitoring Wells
X 2(c)	Yearly Testing of Monitoring Wells
X 2(d)	Monthly Monitoring of Wells
	Spill Prevention and Containment Plan
X3(a)	P.E. Certification/Management Review of Plan
3(b)	Description of Secondary Containment System
<u>* X</u> 3(c)	Testing of Secondary Containment System
3(d)	Engineering Plan for Upgrading Secondary Containment System
3(e)	Implementation of Engineering Plan
3(f)	Site Map
3(g)	Description of Previous Spills
X3(h)	Compliance Report
3(i)	Updated SPCC Plan and Facility Response Plan
<u>* X</u> 3(j)	Inspection Certification of Secondary Containment Systems

MAJOR OIL STORAGE FACILITY LICENSE ADDITIONAL SPECIAL CONDITIONS

Condition Details/Compliance Dates

- X 4(a) Monthly inspections of aboveground tanks are not being documented in accordance with the requirements of 6NYCRR Part 613.6(a,c). This must be done starting not later than 5/31/94.
- X 4(b) Monitoring wells are not labeled in accordance with 6NYCRR Part 613.3(b)(4). Monitoring wells must be labeled not later than 5/31/94.
- X 4(c) Aboveground tanks are not marked with design and working capacities in accordance with 6NYCRR Part 613.3(c)(3)(ii). Tanks must be marked not later than 5/31/94.

MAJOR OIL STORAGE FACILITY SPECIAL LICENSE CONDITIONS (Instructions and Deadlines)

The Department of Environmental Conservation is required by Article 12 of the Navigation Law to protect and preserve the lands and waters of New York State from all discharges of petroleum from Major Oil Storage Facilities. To protect and preserve the waters of the State, owners/operators are required to show how they guard against contamination of surface and groundwater. Surface and groundwater protection at MOSFs is accomplished through the following:

- installing groundwater monitoring wells;
- 2. monitoring groundwater quality; and
- 3. developing and implementing the Spill Prevention And Containment Plan, Section 610.4(a)(4).

The following sections detail how to meet each of the conditions marked on the special conditions checklist. Sections 1 through 3 correspond to the three elements of protecting the waters of the State. The section numbers on the checklist correspond to the following section numbers.

1. Installation of Monitoring Wells

Monitoring wells are needed to determine ambient groundwater quality and to detect possible groundwater contamination that could come from any portion of the facility. The number and location of wells must be approved by the Department. Plans of your existing and/or proposed wells must be submitted to the issuing DEC Regional Office by the indicated date. Subject to DEC approval, these monitoring wells must be installed by the date set by the Department.

a. Initial Installation of Monitoring Wells

Install at least one (1) well hydraulically upgradient of the facility and install at least three (3) wells hydraulically downgradient of the facility.

When adjacent facilities exist, monitoring wells should be placed on the property lines to determine the source of contamination. In this case, common monitoring wells will exist between facilities so the schedules for testing should be consistent.

Submit	Plan	by	 	 _
Install	Well	s by		

b. Additional Monitoring Wells

Installation of additional wells may be necessary based on site conditions, information obtained from existing wells, evidence of past spills, or evidence of a potential spill source. The number and location of all additional monitoring wells must be submitted on a site plan for approval by the regional office prior to installation.

Submit	Plan b	У	
Install	Wells	bу	

2. Sampling and Testing of Monitoring Wells

Owners/operators shall conduct a groundwater sampling and testing program to ensure protection of groundwater at the major oil storage facility. All sampling and testing must be conducted by a private or "out-of-house" laboratory which is certified by the NYS Department of Health. The laboratory must send the test results to both the facility and the DEC Regional Office. The facility operator may monitor for free product without the aid of an outside contractor.

TABLE 1 Recommended Testing Methods for Detecting Petroleum in Groundwater TYPE OF PETROLEUM TESTING METHODS

Gasoline	EPA 602, 624, 503.1
Aviation Gasoline	EPA 602, 624, 503.1
Kerosene	EPA 625
Diesel	EPA 625
#2 Fuel Oil	EPA 625
#4, #5, #6 Fuel Oil	EPA 625

EPA 602 (EPA 8020) tests for seven compounds, including benzene, ethylbenzene, toluene, and xylene (BETX) using GC/PID (gas chromatograph/photo-ionization detector) by P/T (purge and trap). This test is most effective in testing for volatile organic compounds found in gasoline.

EPA 624 (EPA 8040) test series covers a broader number of substances using GC/MS (gas chromatograph/mass spectrometer) by extraction. This test is most effective in testing for volatile organic compounds in gasoline and aviation gasoline.

EPA 625 (EPA 8270) test series covers a broader number of substances using GC/MS (gas chromatograph/mass spectrometer) by extraction. This test is useful for detecting semi-volatile organics found in kerosene, fuel oil, jet and diesel fuels. If gasoline and fuel oil are stored in the same area, both EPA 602 and EPA 625 may be used to determine if there is petroleum product present in the groundwater.

EPA 503.1 tests series was adapted by the New York State Department of Health to test drinking water. This series is applicable in the determination of 33 aromatic hydrocarbons using GC/PID (gas chromatograph/photo-ionization detector). This test is effective for detecting volatile organics found in light grade products, such as gasoline.

Additional analytical methods may be found in Chart 7-1, Section 7.0 of "Sampling Guidelines and Protocols," NYSDEC - Division of Water.

Prior to collecting a groundwater sample for analysis, a monitoring well must be purged. Purging of wells must consist of bailing 3 to 5 volumes of water present in the well prior to taking samples. If free product is found in any monitoring wells, the incident must be reported on the DEC Spill Hotline within two (2) hours. The owner/operator must perform the following testing and monitoring of wells, providing results and reports as scheduled.

a. Initial Testing of Monitoring Wells

All monitoring wells must have an initial testing to determine a baseline assessment of water quality, using appropriate methods discussed above.

Test Results to be submitted by	
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b. Six-Month Testing of Monitoring Wells

All monitoring wells must be re-tested six months after initial testing. This requires analytical testing as described in Section 2-a. Based on the results of the initial and six-month testing, the DEC regional office will establish a schedule for further sampling and testing.

Test	Results	to	be	submitted	by	
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c. Annual Testing of Monitoring Wells

Annual testing of monitoring wells must be done between April 15 and May 15 of each year using the analytical tests that are described in Section 2, Table 1.

d. Monthly Monitoring of Wells

Routine monitoring for free product is to be done at least monthly using manual methods such as a bailer, product paste, electronic hydrocarbon probe, or other equivalent method. Results from the visual test are to be recorded and kept on file at the facility as part of the facility's monthly inspection. If free product is

found, the Department must be notified on the DEC Spill Hotline within two (2) hours. The Department may request that these monthly reports be submitted to the Regional Office.

Monthly Monitoring Well Report to be submitted as requested <u>MAINTAIN FILE AT FACILITY</u>

3. State Spill Prevention and Containment Plan

A State Spill Prevention and Containment Plan prepared in accordance with 6 NYCRR Section 610.4(a)(4) must be submitted to the Department prior to issuance of a license. The following are considered elements of a State Spill Prevention and Containment Plan:

- 1. Spill Prevention Control and Countermeasure Plan (SPCC Plan) written according to 40 CFR 112;
- Operations Manual written according to 33 CFR 151, 154, 155 and 156;
- Facility Response Plan written according to the Oil Pollution Act (OPA) of 1990;
- 4. Groundwater Contingency Plan written according to Special License Condition and Part 610.4(a)(4)(ii);
- 5. Site Plan written according to Special License Condition and Part 610.4(a)(4)(iii);
- 6. Description of Previous Spills written according to Special License Condition and Part 610.4(a)(4)(iv);
- 7. Compliance Report written according to Special License Condition and Part 610.5(a)(4);
- 8. Inspection Records for Secondary Containment pursuant to Section 613.6(c).

The following sections detail how to provide the elements of a State Spill Prevention and Containment Plan.

a. PE Certification/Management Review

A licensed professional engineer, preferably a New York State licensed P.E., must certify that the Plan has been prepared in accordance with good engineering practices. The Plan must be updated and recertified whenever any major additions, changes or rehabilitation occur(s), as defined in 6 NYCRR Section 610.5(c)(2). If no major changes occur, then the owner or operator must complete a review and evaluation of the Plan at least every three

years. The owner or operator must submit all recertification or management reviews to the Regional Office.

P.E. Certification/Management Review to be submitted by 5/31/94

b. Description of Secondary Containment System

Owners or operators of on-shore Major Oil Storage Facilities shall submit a description of the existing secondary containment system in detail, and explain how this system prevents a spill of petroleum from reaching the lands or waters outside the containment area before cleanup occurs.

Description	to	be	submitted	by	
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c. Testing of Secondary Containment System

The secondary containment system shall be tested according to the guidance provided in the Department's technical guidance memo, SPOTS 10. The Plan must contain a description of the procedures and methods used to inspect and test the effectiveness of the system along with the results of permeability tests and geological studies showing the groundwater flow direction, minimum travel time for the lightest product stored within the secondary containment area to contact the groundwater and a subsoil profile.

Tests to be performed in <u>July or August, 1994</u>. Results to be submitted to Regional Office by <u>September 30, 1994</u>.

d. Engineering Plan For Upgrading Secondary Containment System

If the secondary containment system does not meet the standards set forth in 6 NYCRR Section 613.3(6), then an engineering plan, certified by a licensed professional engineer, preferably a New York State licensed P.E., must be submitted to the DEC Regional Office describing how existing systems will be improved. This plan should include the composition and permeability of the existing soil; the methodology that will be used to upgrade the secondary containment system, such as a synthetic liner, the specifications of the material to be used, procedures on installation and the proposed permeability of the resulting containment system.

This plan must be submitted to and approved by the DEC regional office before construction is started.

Engineering	Plan	to	be	submitted	by	

e. Implementation of Engineering Plan

After the engineering plan to improve the secondary containment system has been reviewed and is acceptable to the Department, owner or operator will begin implementation of the proposed secondary containment system.

Construction	to	be	completed	by	
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f. Site Map

The Plan must contain a site map showing the location of all observation, monitoring, and recovery wells, location of tanks and their respective secondary containment areas, product transfer areas, and any spill clean-up . . equipment. This site plan must be drawn to scale.

Site	Map	to	be	submitted	by	
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g. Description of Previous Spills

The Plan must contain a description of all spills, discharges and clean-up activities during the previous year. This description must include the cause, type and amount of product spilled and recovered, corrective action taken, clean-up effectiveness, long-term clean-up plans and plans for preventing the recurrence of such a spill or discharge.

Description	to	be	submitted	by		٠.
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h. Compliance Report

The Plan must contain an assessment of compliance with 6 NYCRR Parts 610, 611, 612, 613 and 614, 17 NYCRR Parts 30 and 32, 40 CFR 112 and special conditions required under this license. This must include a status report and schedule for compliance. Guidance and reporting format is available from the regional offices.

Compliance	Report	to be	submitted	by	5/31/94
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i. Updated SPCC Plan and Facility Response Plan which may be required by 40 CFR 112 and Oil Pollution Act of 1990

Facility Response Plans are required under the Oil Pollution Act (OPA) of 1990 for any on-shore facility that could reasonably be expected to discharge oil to navigable waters, adjoining shoreline or to the exclusive economic zone. These must contain plans for responding, to the maximum extent practical, to a worst-case discharge.

Any facility which must have a Facility Response Plan pursuant to OPA 1990 must file the plan and any subsequent amendments with the Department. Such plan must be filed concurrent with the filing with the President.

U.S. Environmental Protection Agency has proposed amendments to the rules for preparing SPCC Plans (40 CFR 112). Any amendments to the SPCC Plan required by future revisions to 40 CFR 112 or any other update or change what-so-ever must be filed with the Department.

Updated SPCC Plan and Facility Response Plan to be submitted by ______

j. Inspection Certification of Secondary Containment Systems

Secondary containment systems must be inspected and certified monthly that the secondary systems still meet the standards set forth in 6 NYCRR Section 613.3(c)6. Certification must identify any deficiency found during the inspection and any subsequent repairs rendered. See Section 613.6(a) and (c).

The Department will accept documented monthly inspections that are "visually performed" if these are performed in conjunction with in-depth integrity inspections performed on a frequency not to exceed five years, with such indepth inspection conducted and certified by a licensed Professional Engineer. The Regional Office must be notified prior to any modifications and repairs to the secondary containment systems. The Regional Office will decide if additional information or plans are required.

In-depth Integrity Inspection to be performed during the month of <u>July or August</u>, <u>1994</u>, and Certification to be submitted to the Regional Office by <u>September 30</u>, <u>1994</u>, and thereafter every five years.

* NOTE: ITEMS 3(c) AND 3(j) ARE TO BE DONE IN CONJUNCTION WITH ONE ANOTHER.

GUIDELINES ON INSTALLATION OF MONITORING WELLS

The following is the Department's guidance on installation of monitoring wells at on-shore Major Oil Storage Facilities.

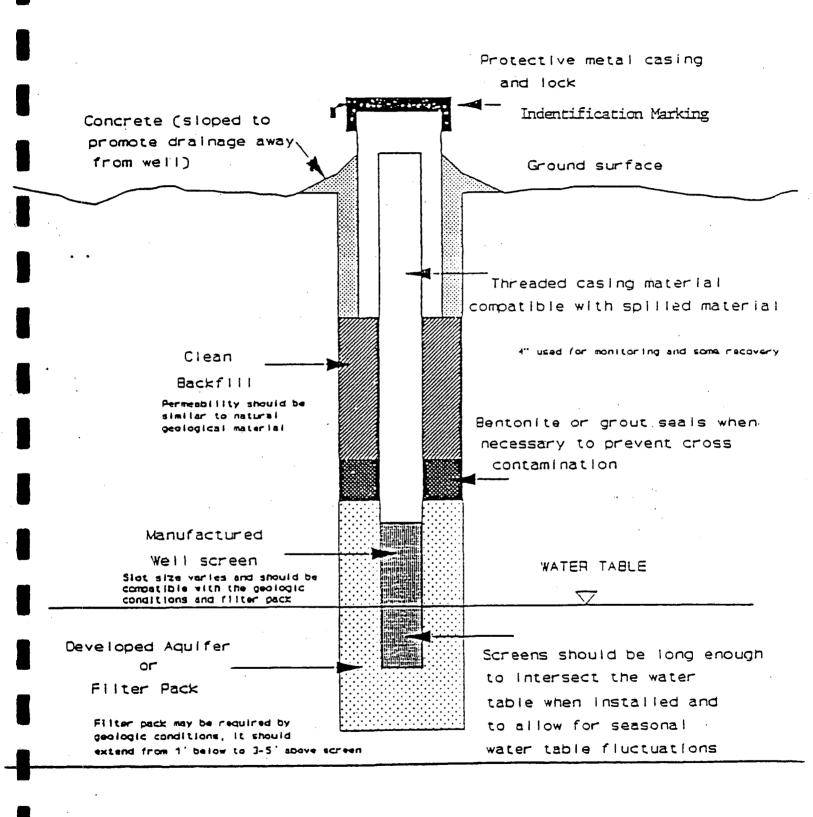
- 1. All wells must be four (4) inches in diameter.
- 2. A log must be kept for each boring that is made. Soil samples must be taken when the composition of the soil layer changes or at five (5) foot intervals, whichever comes first. A general description of the composition of the soil, as well as the depth that groundwater was first encountered, must be recorded.
- 3. Monitoring wells must be installed plum and straight.
- 4. Flush threaded joints, instead of glued joints, must be used to avoid contamination of the groundwater.
- 5. Well screens are to be machine slotted, and must be of adequate length and placement to accommodate seasonal variations in the water table.
- 6. Filter pack must be compatible with soil around the screened portion of the well and with the screen opening. The filter pack must extend approximately one foot below the screen and three to five feet above the screen.
- 7. The well must be sealed between the casing and the bore hole with an impermeable material, such as bentonite, to prevent contamination of the aquifer due to surface run off.
- 8. The well must be sufficiently developed to ensure that the well is free flowing and accurately represents the conditions of the groundwater table.
- 9. The tops of all wells must be enclosed by a protective metal casing that has a locking cap. All wells must be capped and locked at all times. In addition, the monitoring well should be assigned an arbitrary number, such as MW #1. This number should be marked on the monitoring well, as well as any site plans, to facilitate the coordination of the groundwater sampling program.
- 10. All well caps must be clearly marked "Monitoring Well".

All monitoring wells shall be installed outside of a secondary containment area. If it is impractical to install the monitoring wells outside of a containment area, a variance must be obtained from the Department. Monitoring wells that are installed inside the secondary containment area must have water tight well caps or be placed such that the top of the well is above the height of the dike wall. In addition, the well casing must be properly sealed to

prevent infiltration of petroleum in the event of a spill.

All monitoring wells must conform to the well specifications given in this section. The number and location of monitoring wells will be determined by the DEC regional office based on topography and geological studies of the facility. A drawing of an acceptable monitoring well is given on the next page.

TYPICAL MONITORING WELL CONSTRUCTION



REFERENCES

- Analytical Handbook
 New York State Department of Health (NYSDOH)
 Division of Laboratories and Research
 Toxicity Center
 Albany, New York 12201
- 2. Analytical Services Protocol
 New York State Department of Environmental Conservation
 Bureau of Technical Services and Research, Room 301
 50 Wolf Road
 Albany, New York 12233-3502
- 3. Bulk Storage Program, SPOTS 9, "Inspection of Major Oil Storage Facilities".
- 4. Bulk Storage Program, SPOTS 16 "Preparing An SPCC Plan (Draft)".



Department of Environmental Conservation New York State

MAJOR PETROLEUM FACILITY LICENSE



FACILITY:

HANCOCK INTERNATIONAL AIRPORT US AIR FUEL STORAGE FACILITY SYRACUSE, NY 13211

OWNER:

US AIR, INC. CRYSTAL PARK 4, 2345 CRYSTAL DRIVE ARLINGTON, VA 22227

The facility named above has been duly licensed, pursuant to Article 12 of the Navigation Law. Any conditions placed on this license are marked on the attached Special Conditions Check List.

MAILING CORRESPONDENCE:

LICENSE NUMBER:

DATE ISSUED: April 19, 1994

EXPIRATION DATE: March 31, 1995

US AIR FUEL STORAGE FACILITY P.O. BOX 216 SYRACUSE, NY 13211 ATTN: JOHN MESSENGER

Commissioner of Environmental Conservation By _

Regional Engineer Title

THIS LICENSE IS NON-TRANSFERABLE

18-20-1a (2/90)—9a

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION MAJOR PETROLEUM FACILITY LICENSE

Tank Listing For License Number:

7-2220

Page 1

Kerosene	210,000	Steel/Carbon Steel	Aboveground Aboveground on rack	11/88
Kerosene	500	Steel/Carbon Steel		11/88
Kerosene	1,000	Steel/Carbon Steel	Aboveground on rack	
Unleaded Gasoline	20,000	Steel/Carbon Steel	Aboveground on rack	
Kerosene	210,000	Steel/Carbon Steel	Aboveground	
PRODUCT STORED	CAPACITY (Gallons)	TANK TYPE	TANK LOCATION	